

FIG. 1A

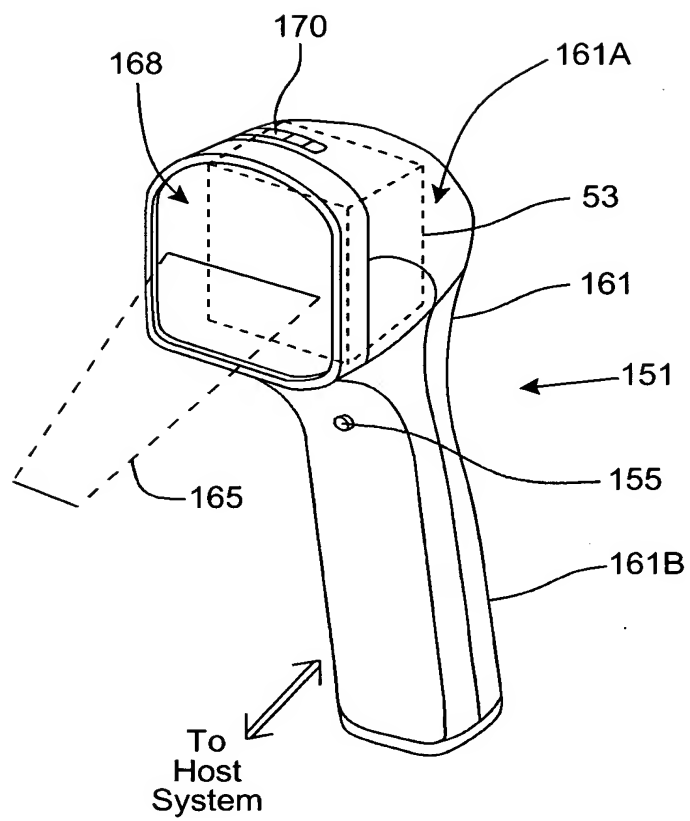


FIG. 1B

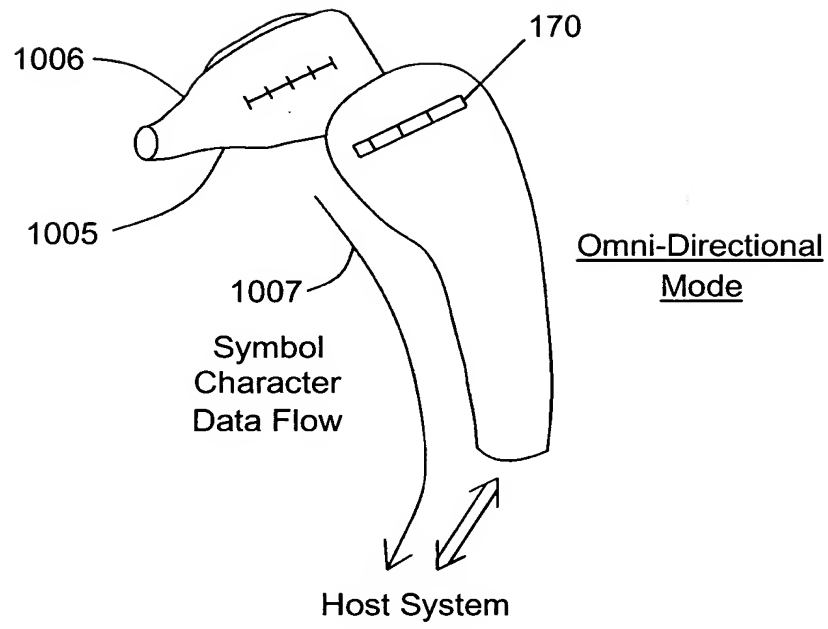


FIG. 2A

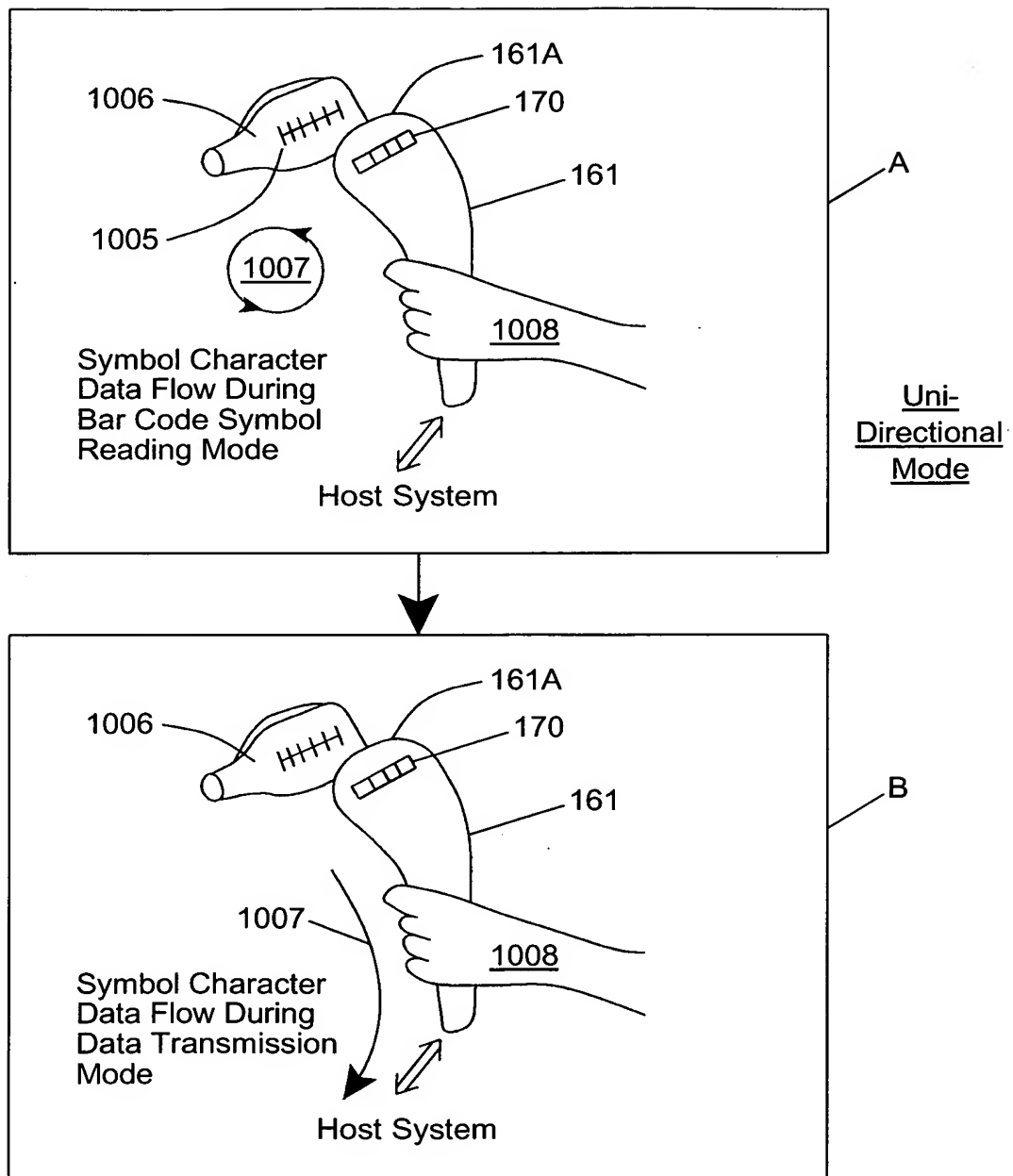


FIG. 2B

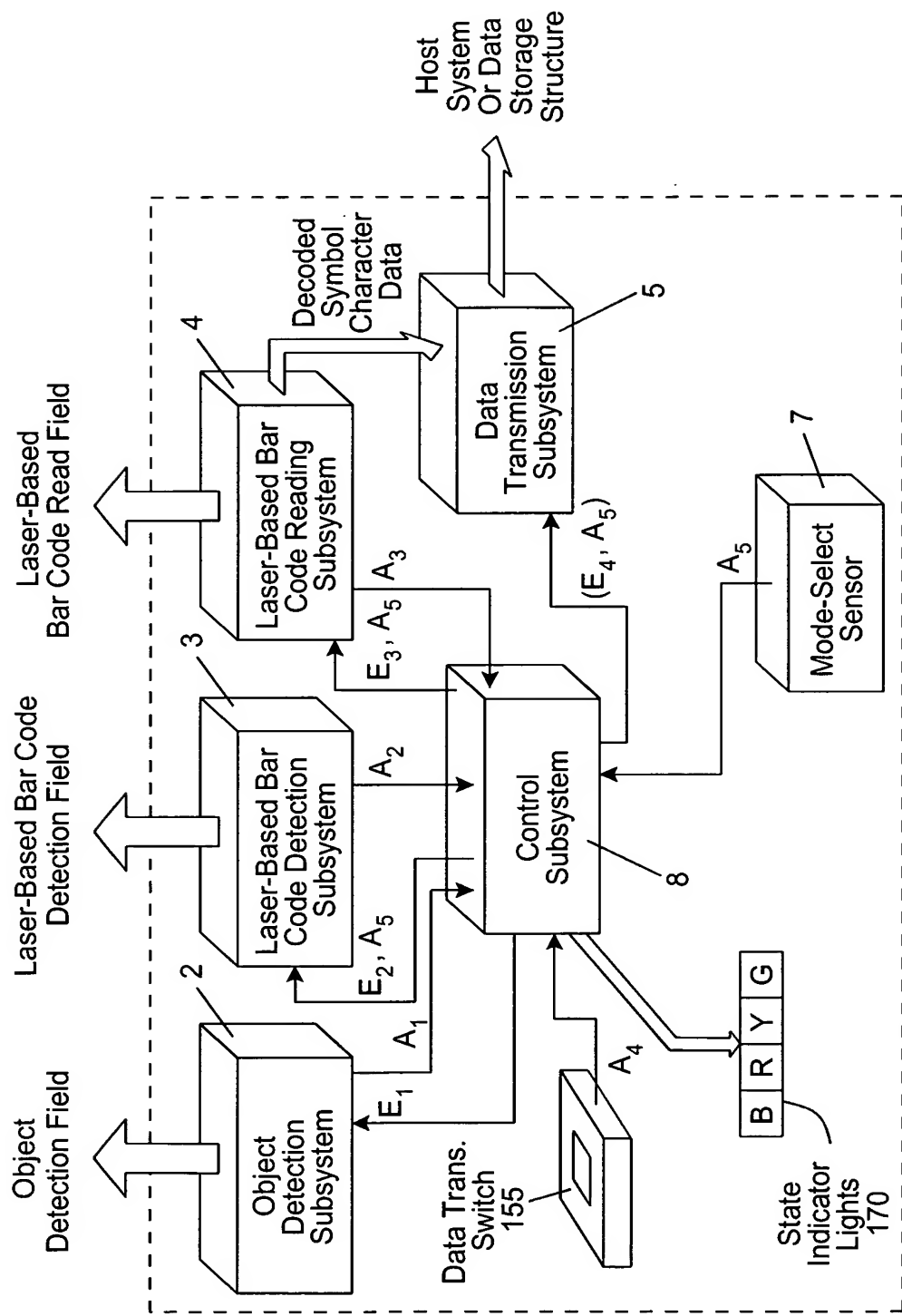


FIG. 3

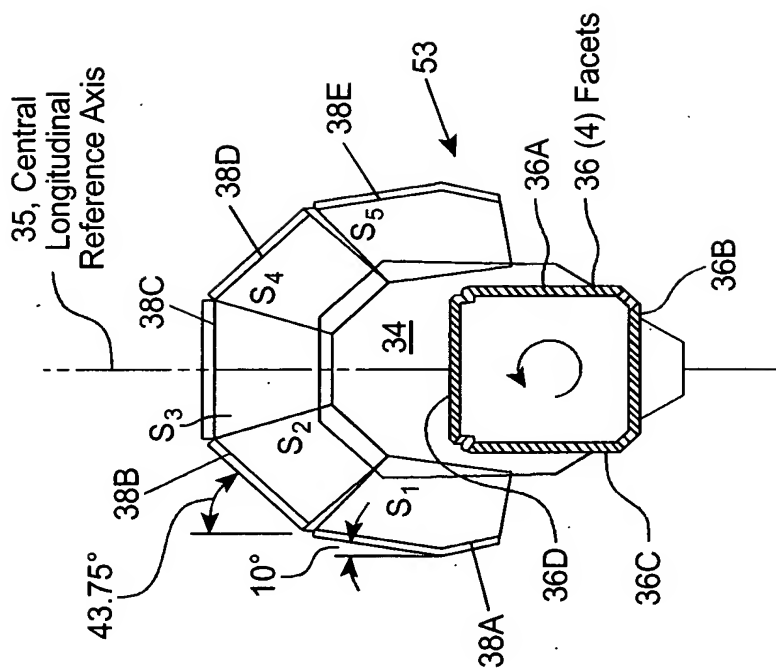


FIG. 4A

	Twist α	Bend θ
S_{1-5}	10°	46.0°
S_{2-4}	43.75°	42.5°
S_3	90°	40.5°

FIG. 4E

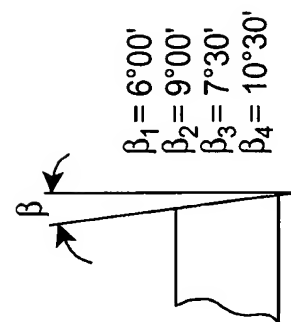


FIG. 4F

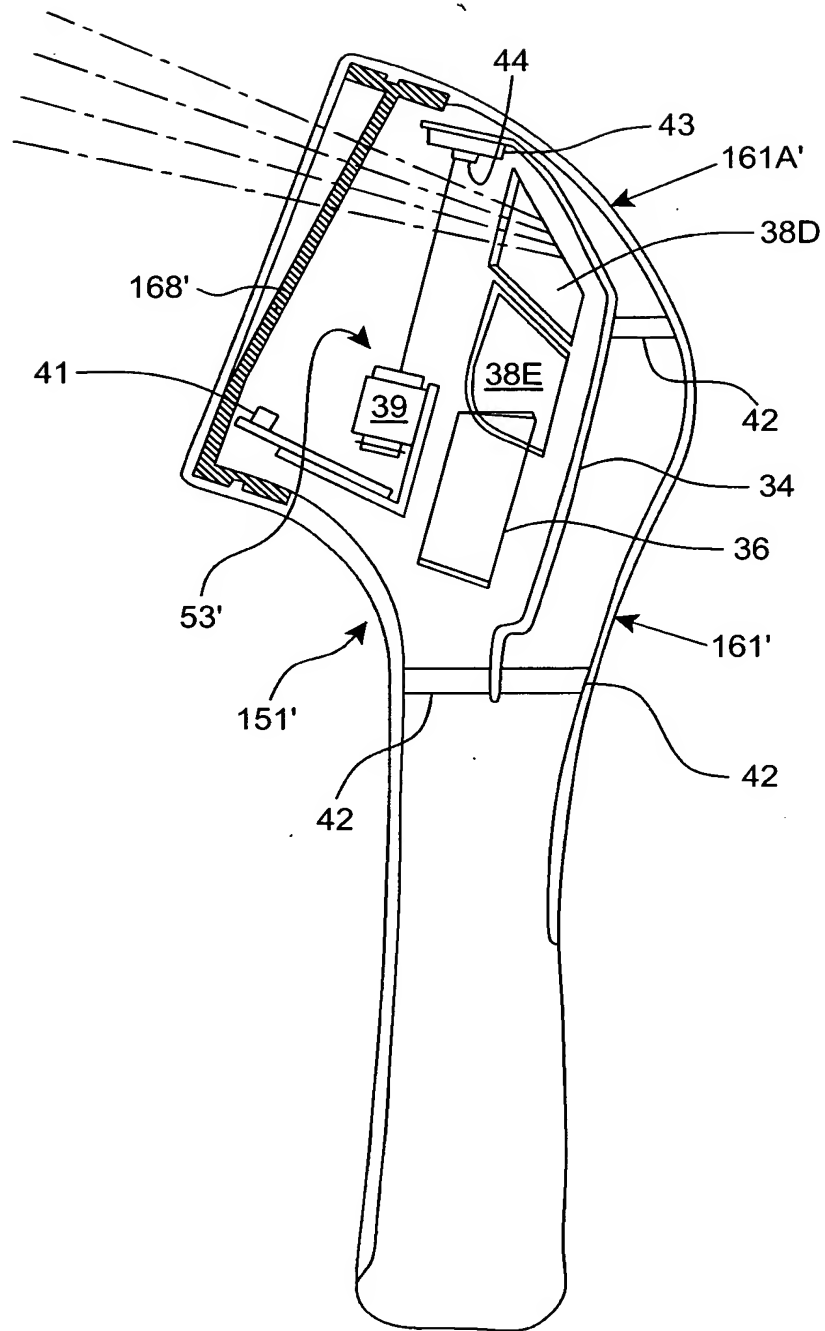


FIG. 4B

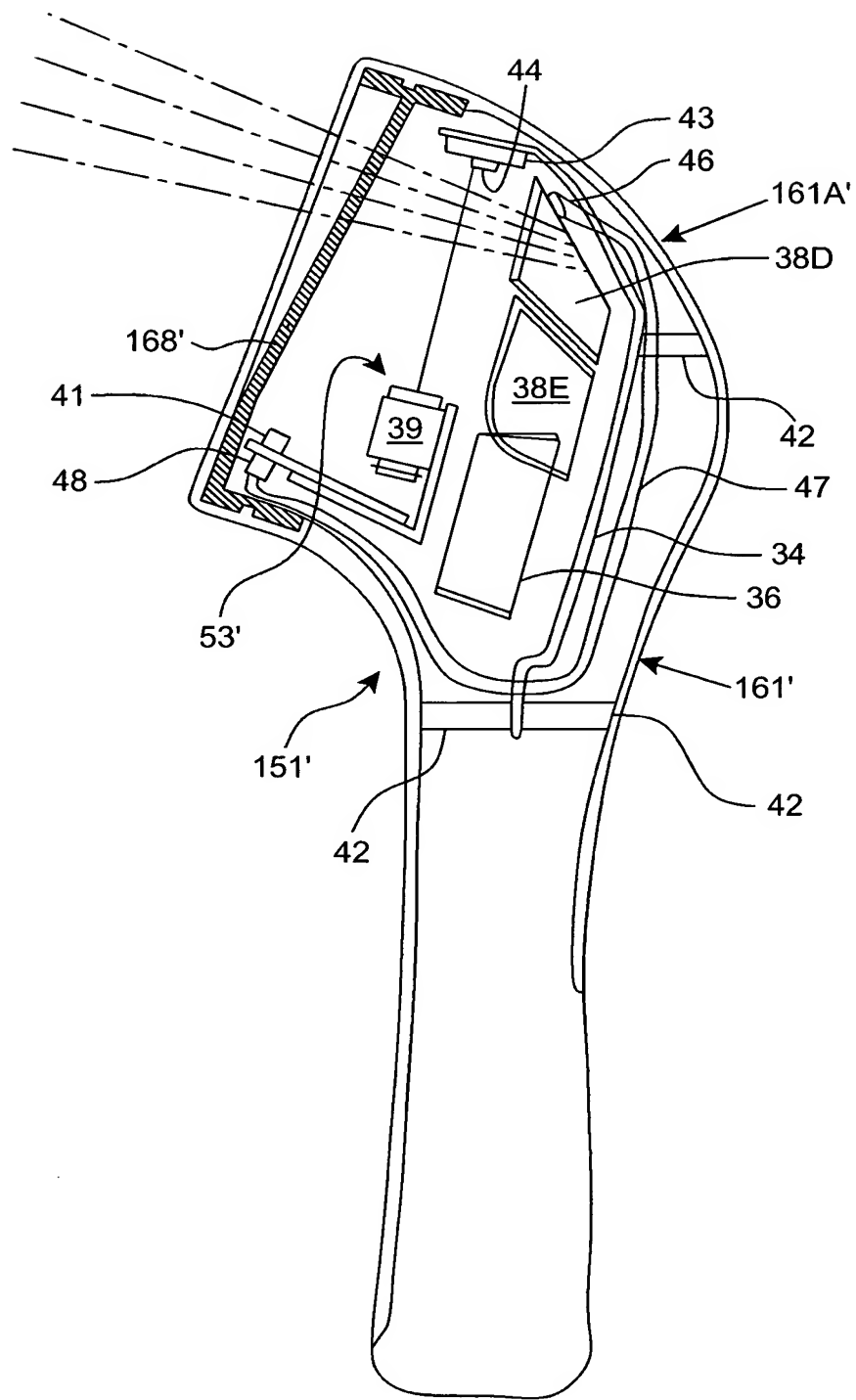


FIG. 4C

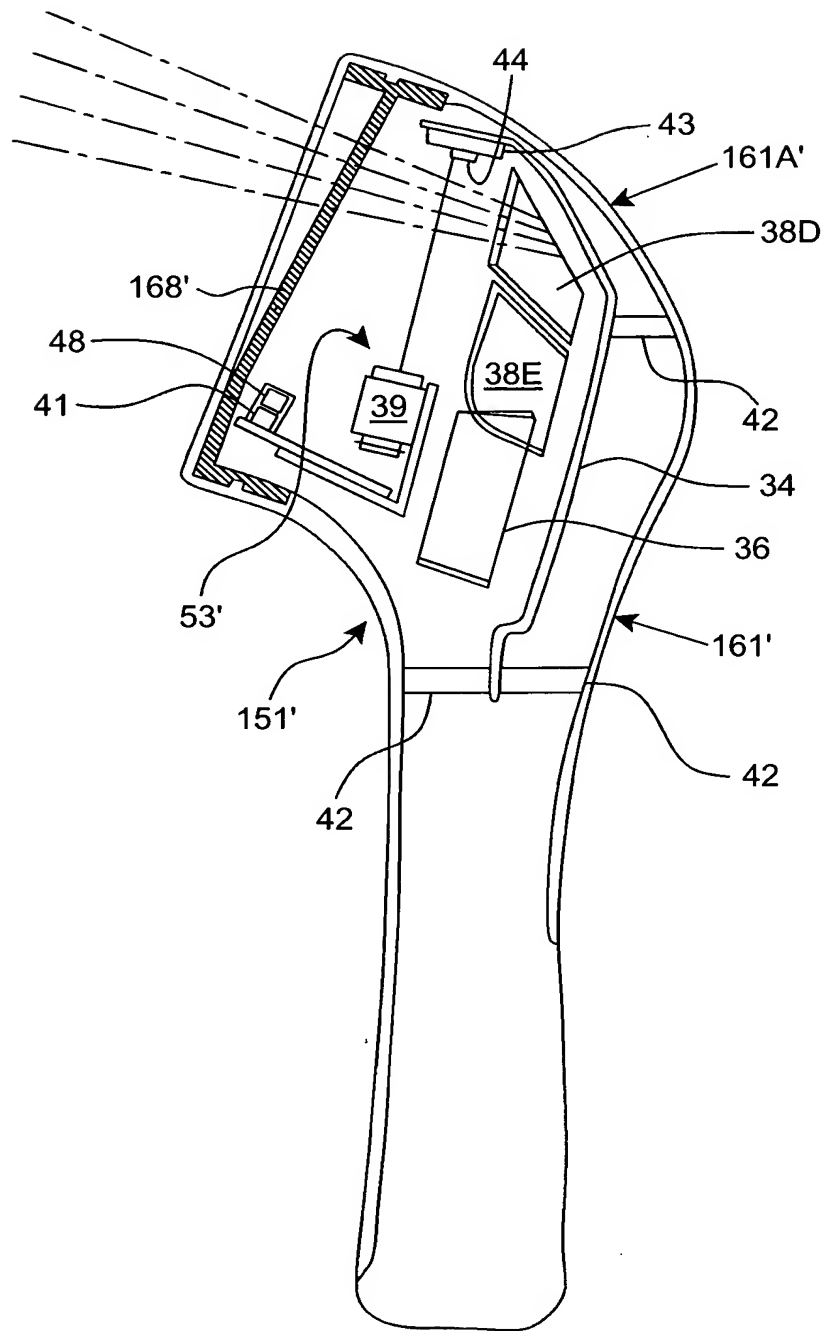


FIG. 4D1

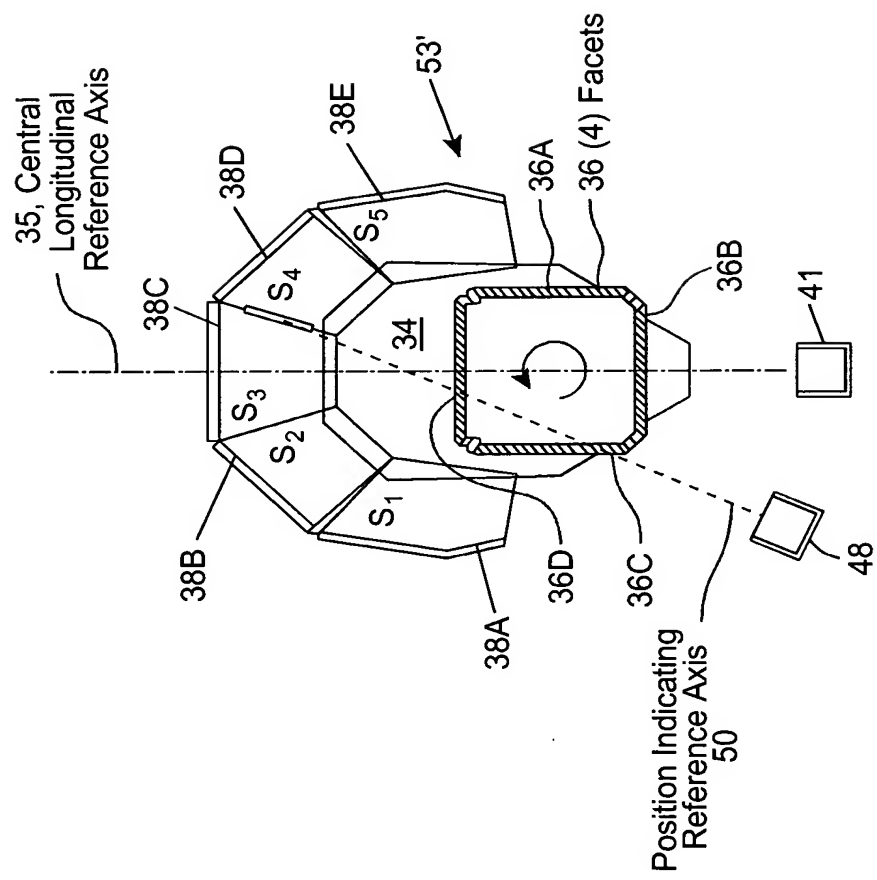


FIG. 4D2

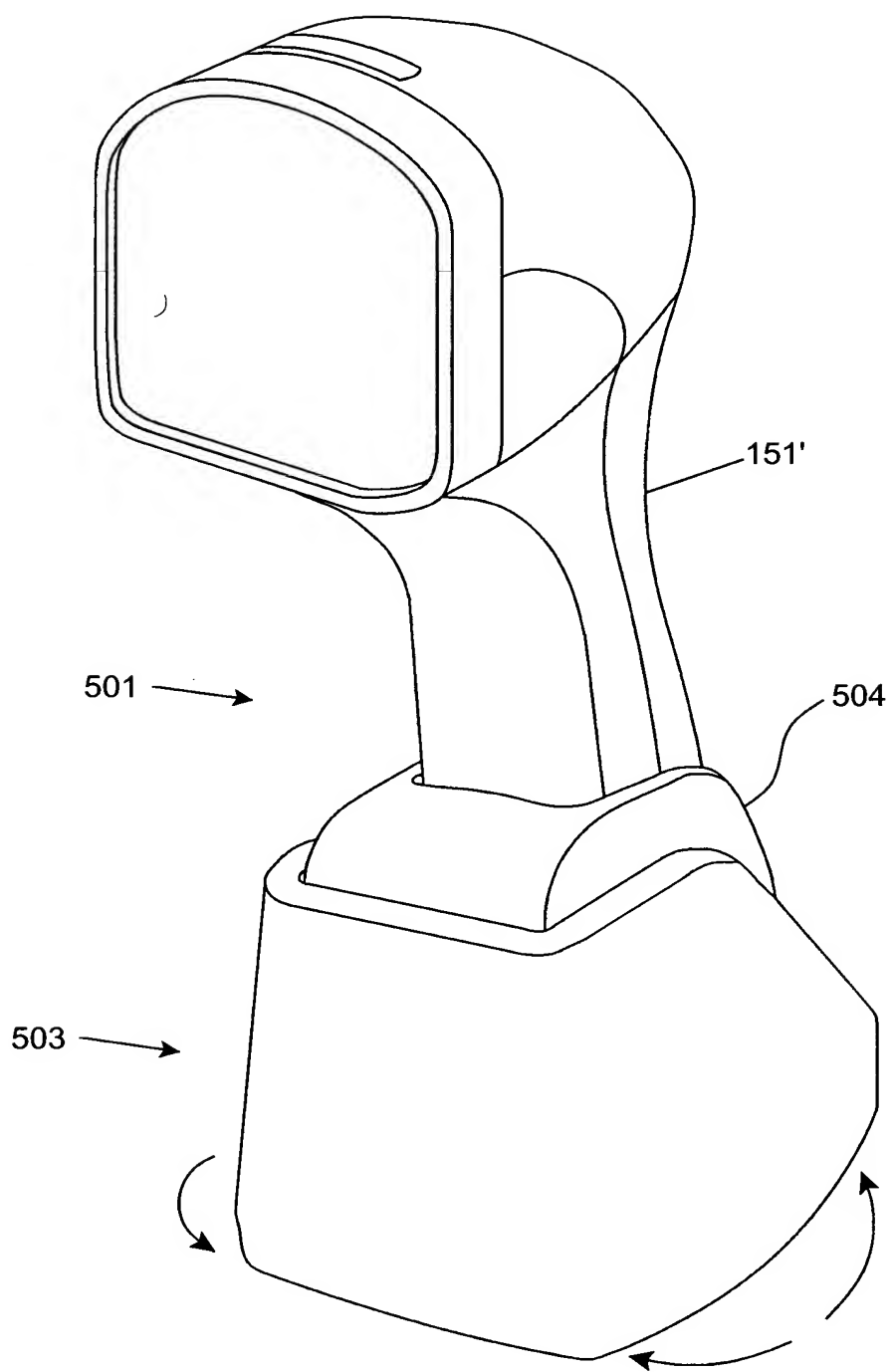


FIG. 5A

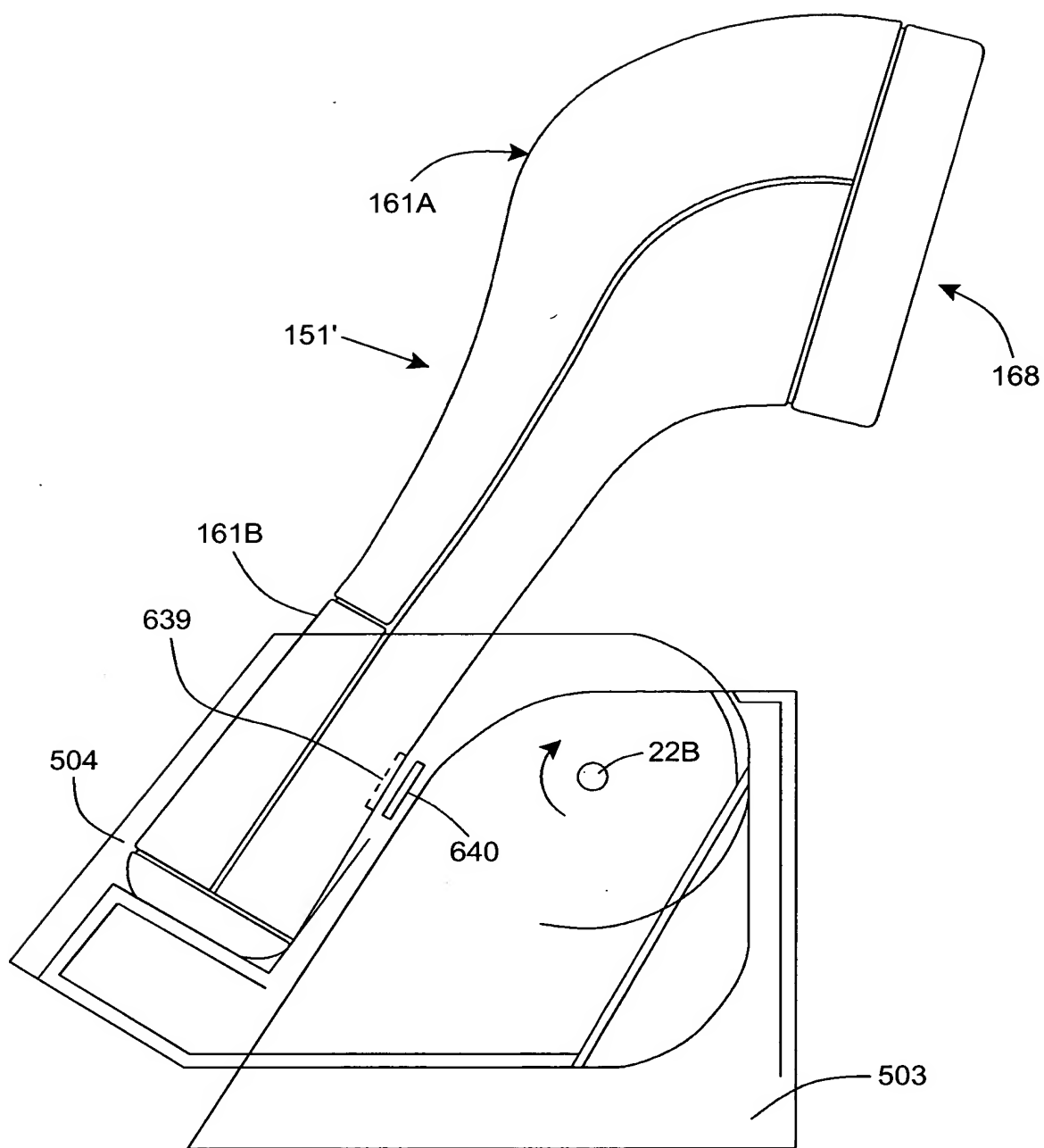
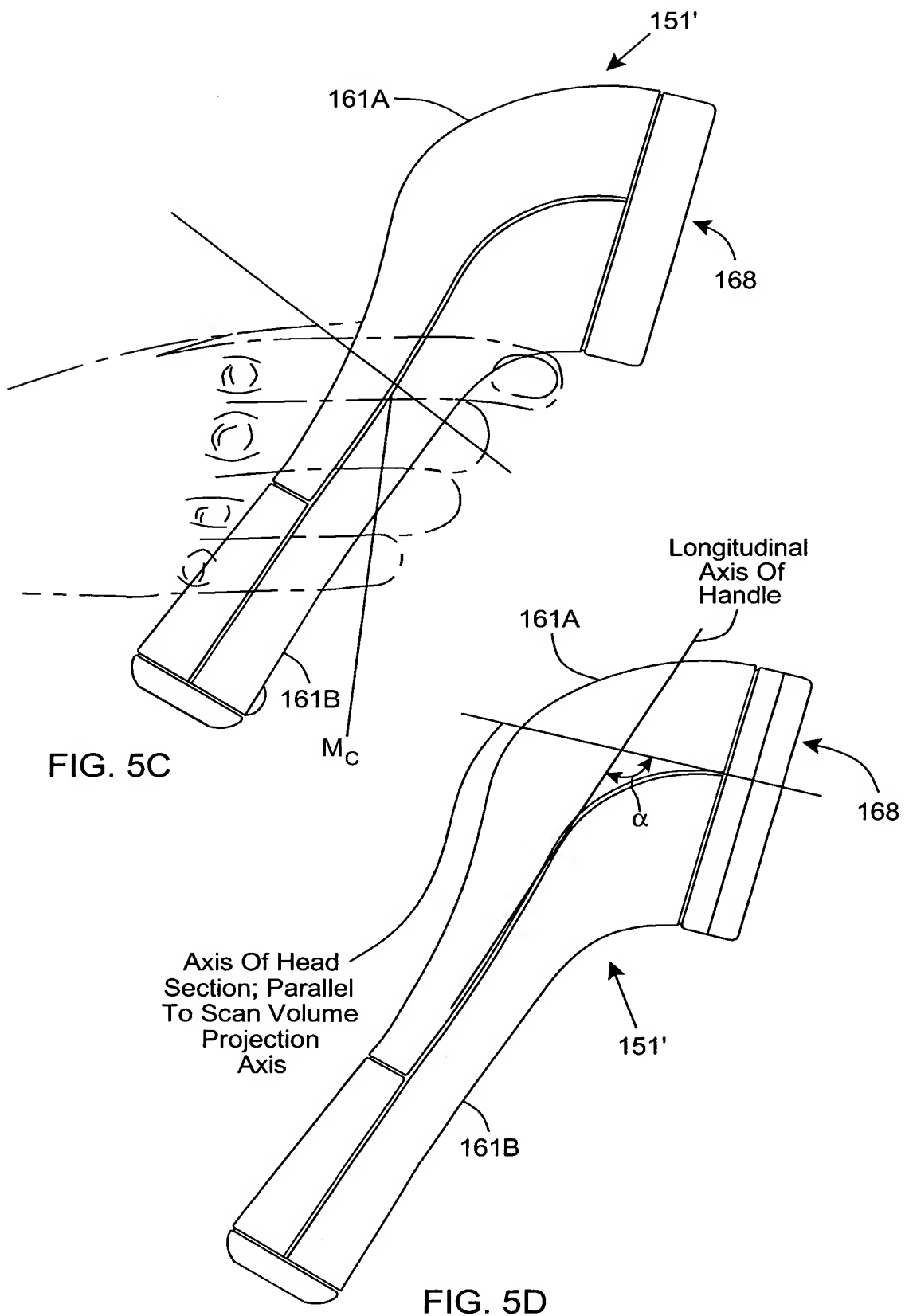


FIG. 5B



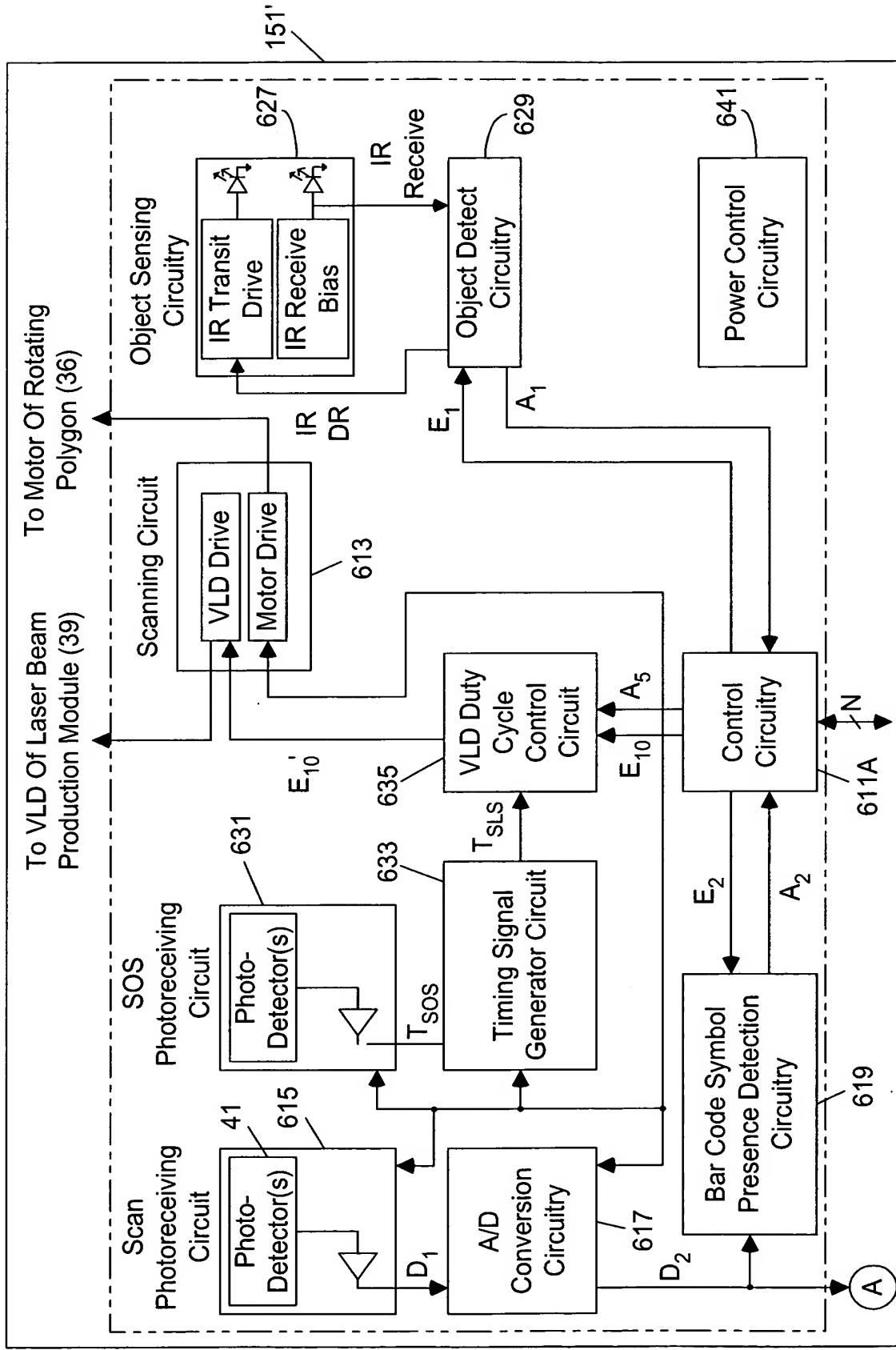


FIG. 6A

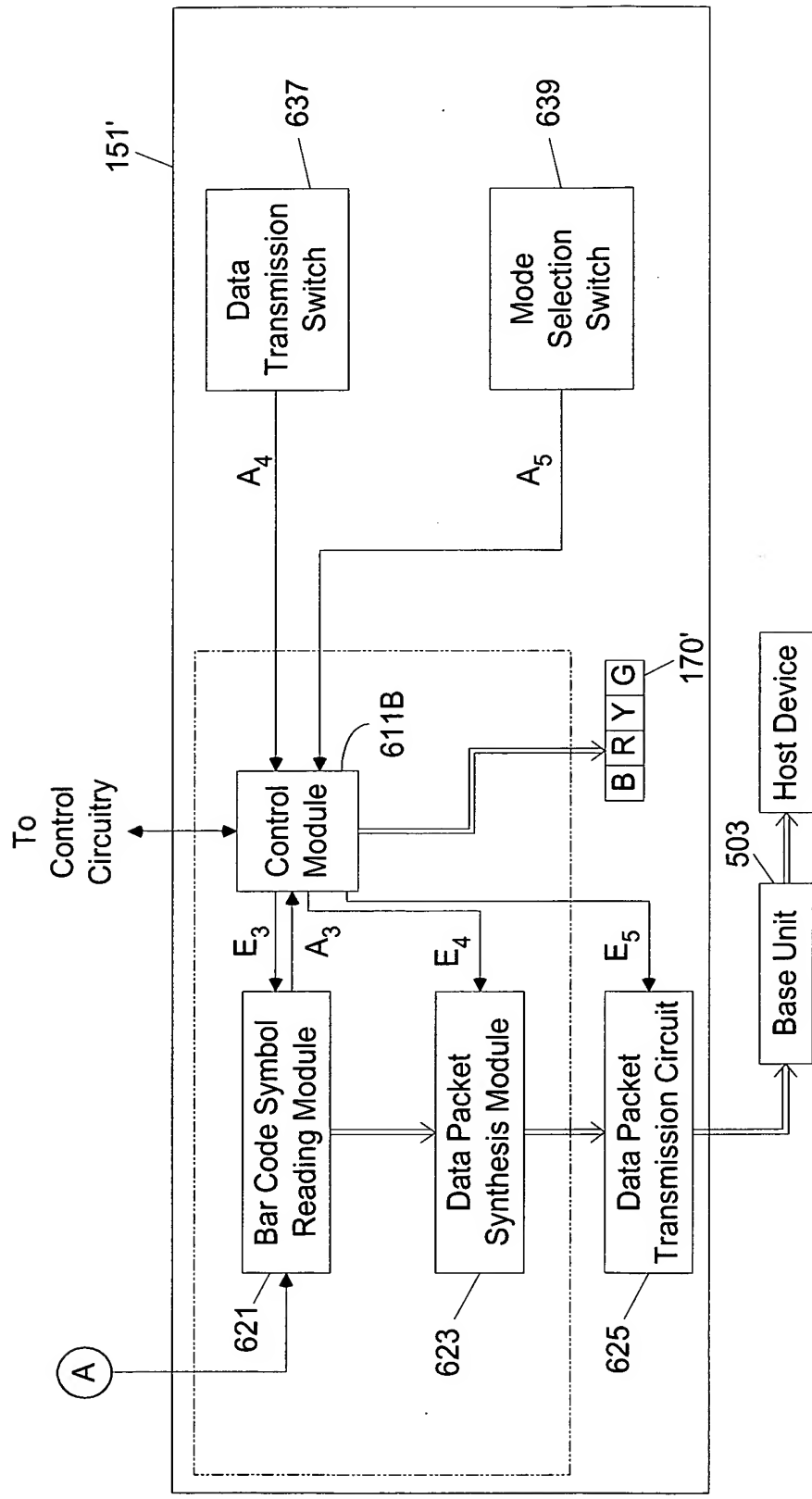


FIG. 6B

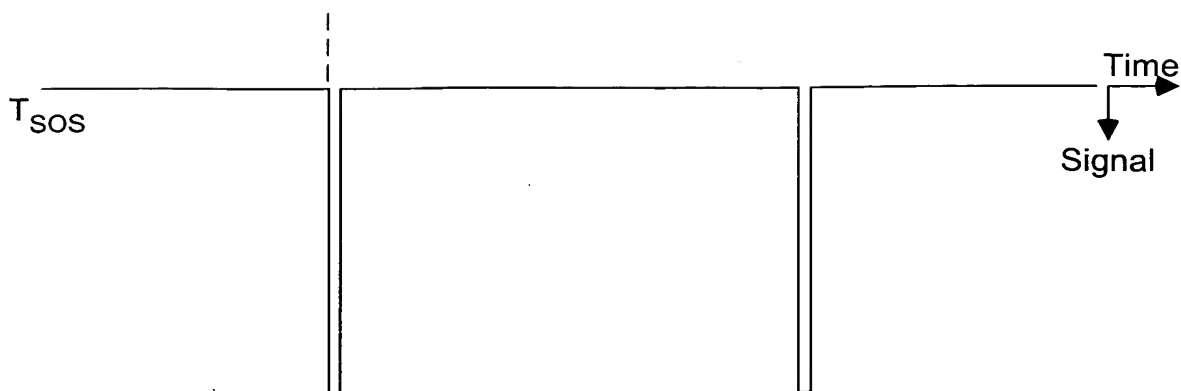


FIG. 7A

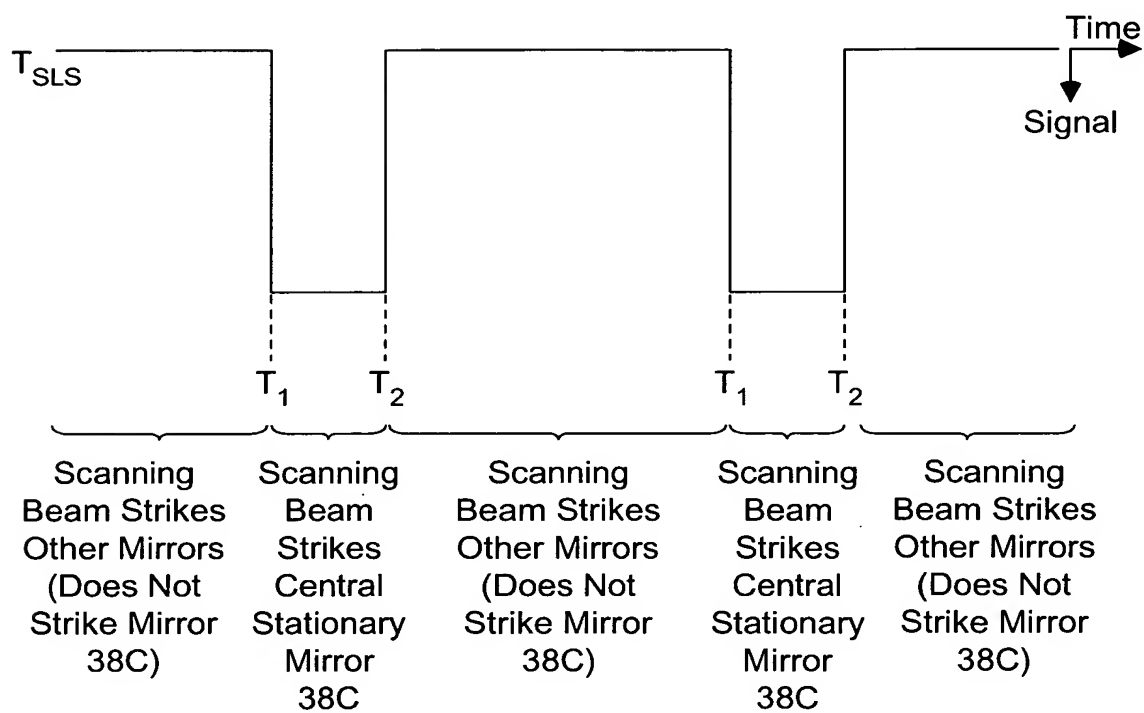


FIG. 7B

$$E_{10}' = (\overline{T_{SLS}} \times E_{10} \times A_5) + (E_{10} \times \overline{A_5})$$

FIG. 7C

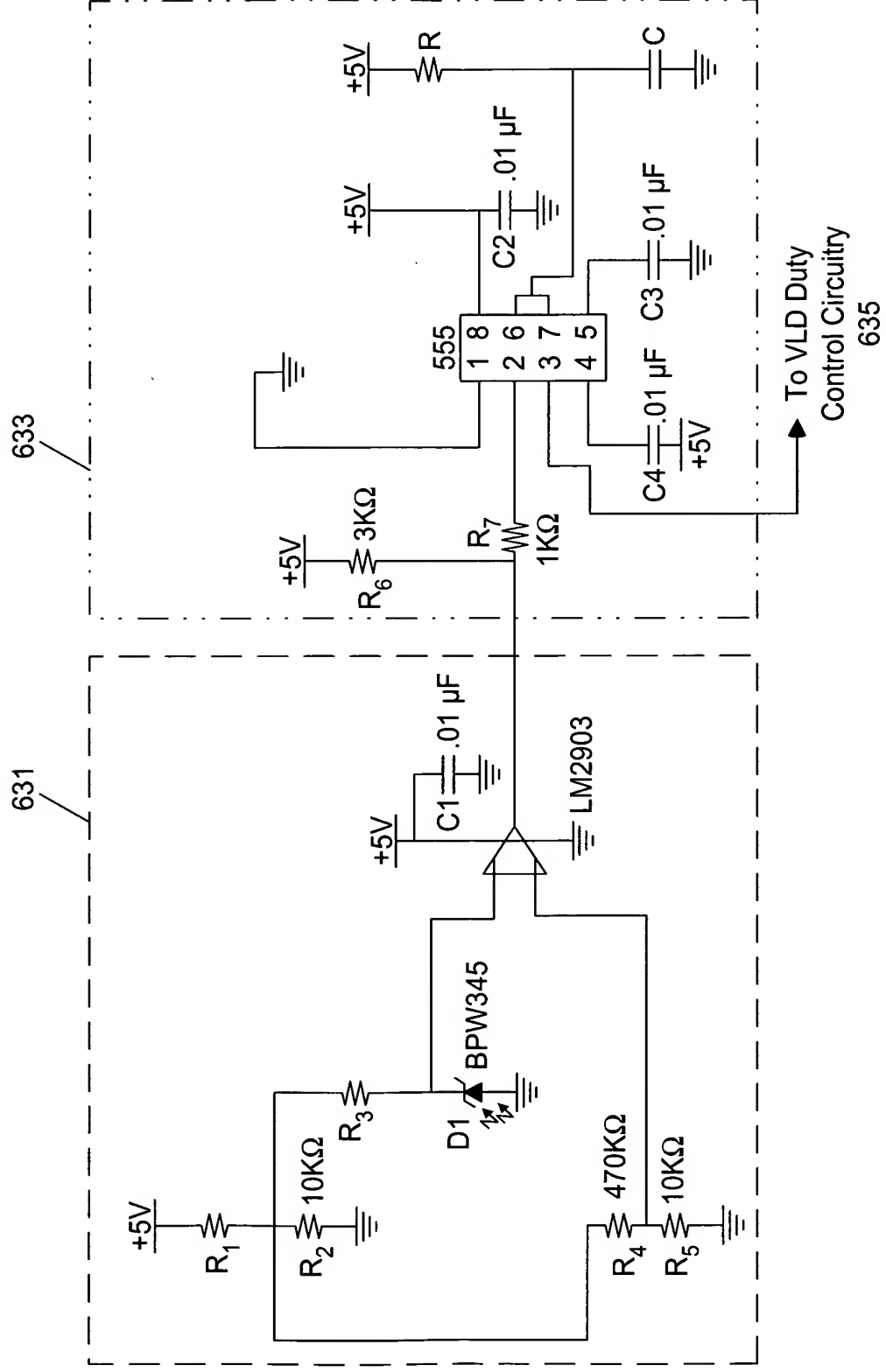


FIG. 7D

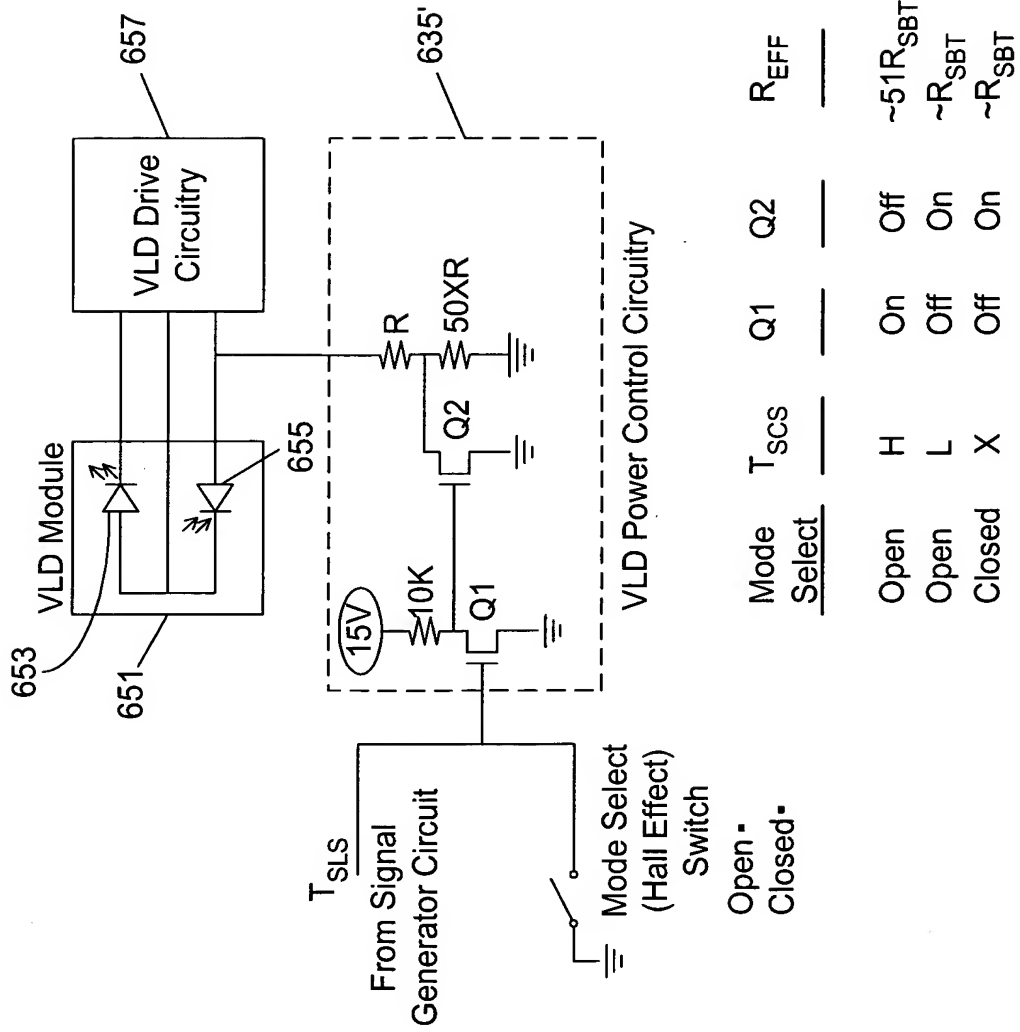


FIG. 7E

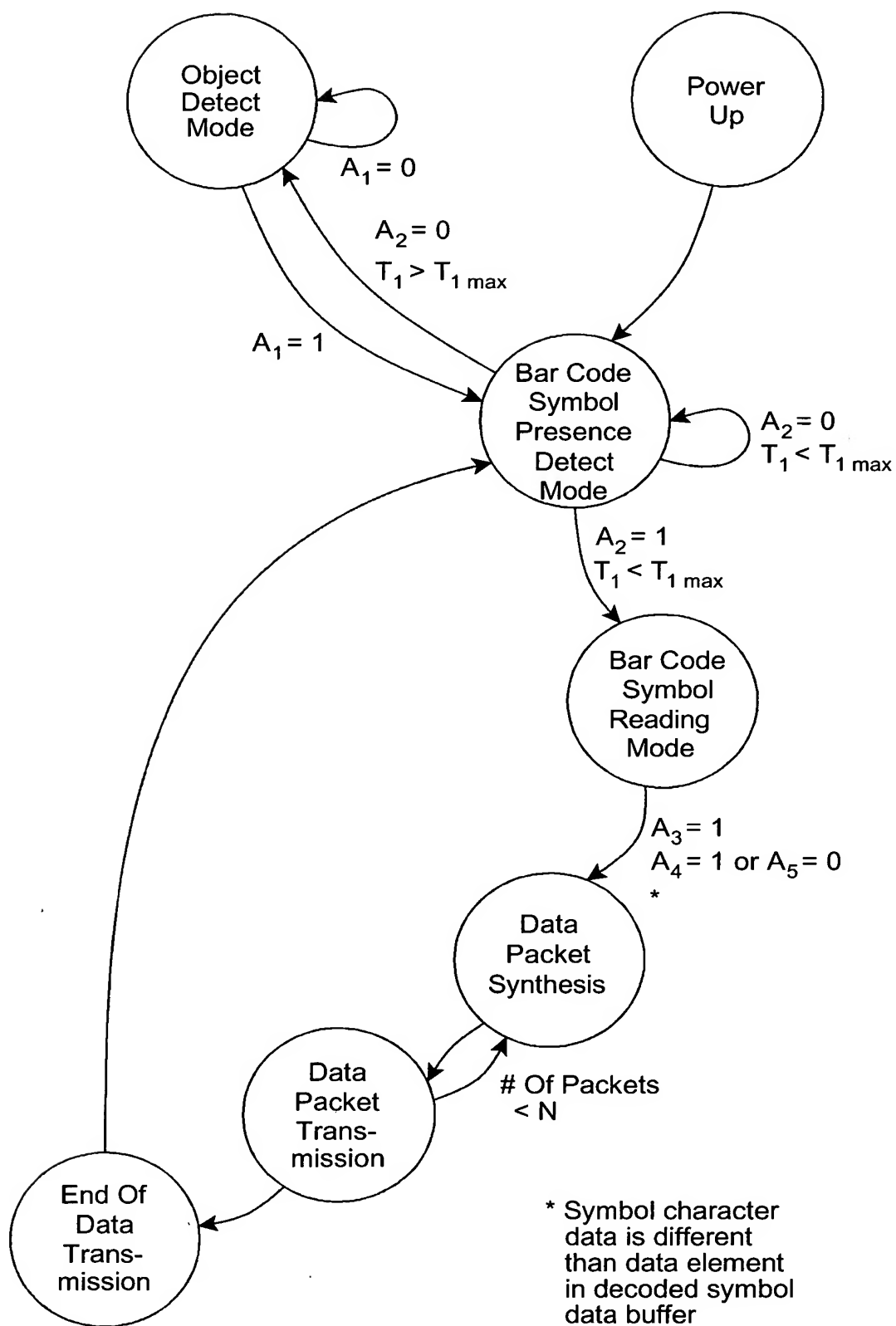
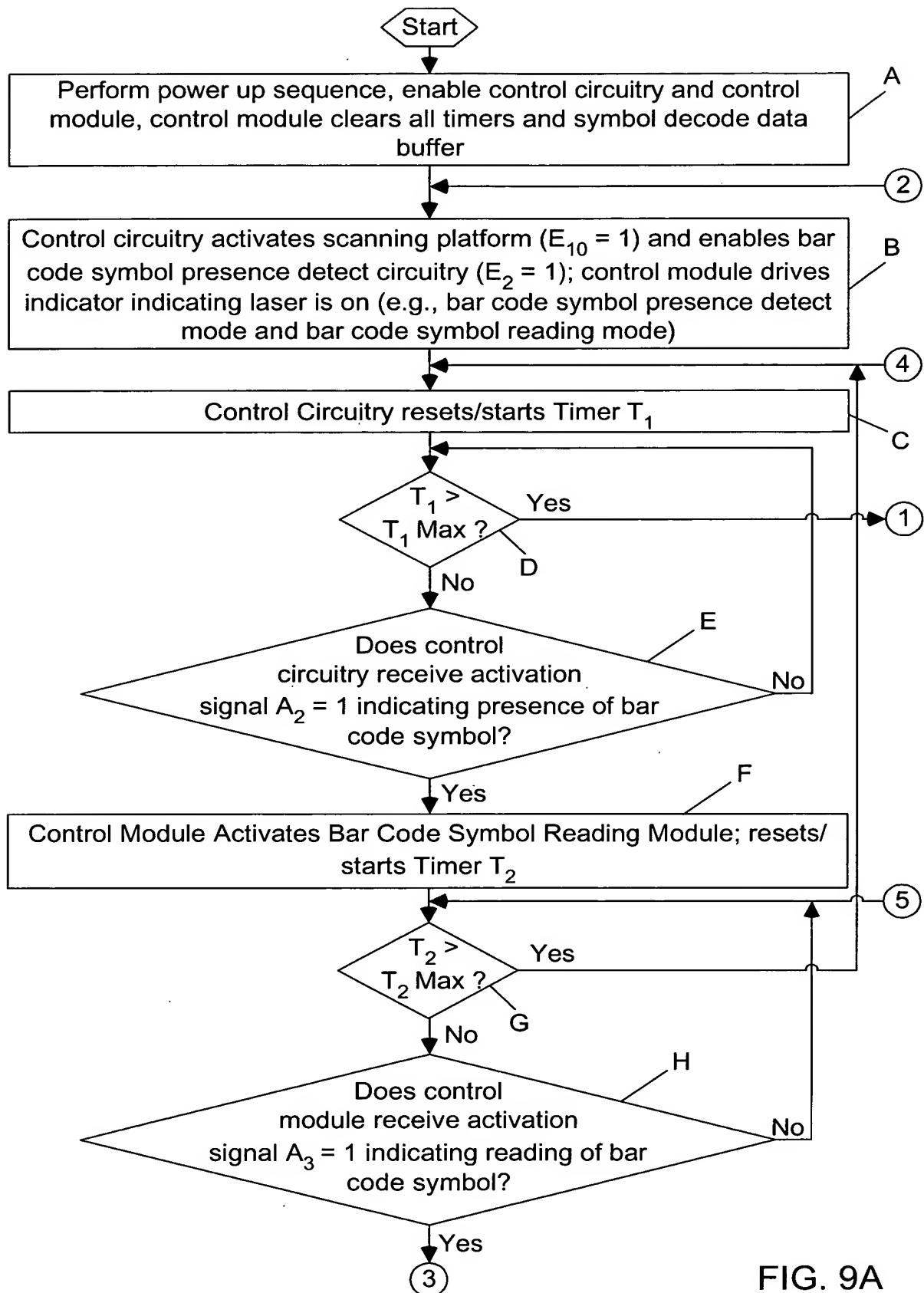


FIG. 8



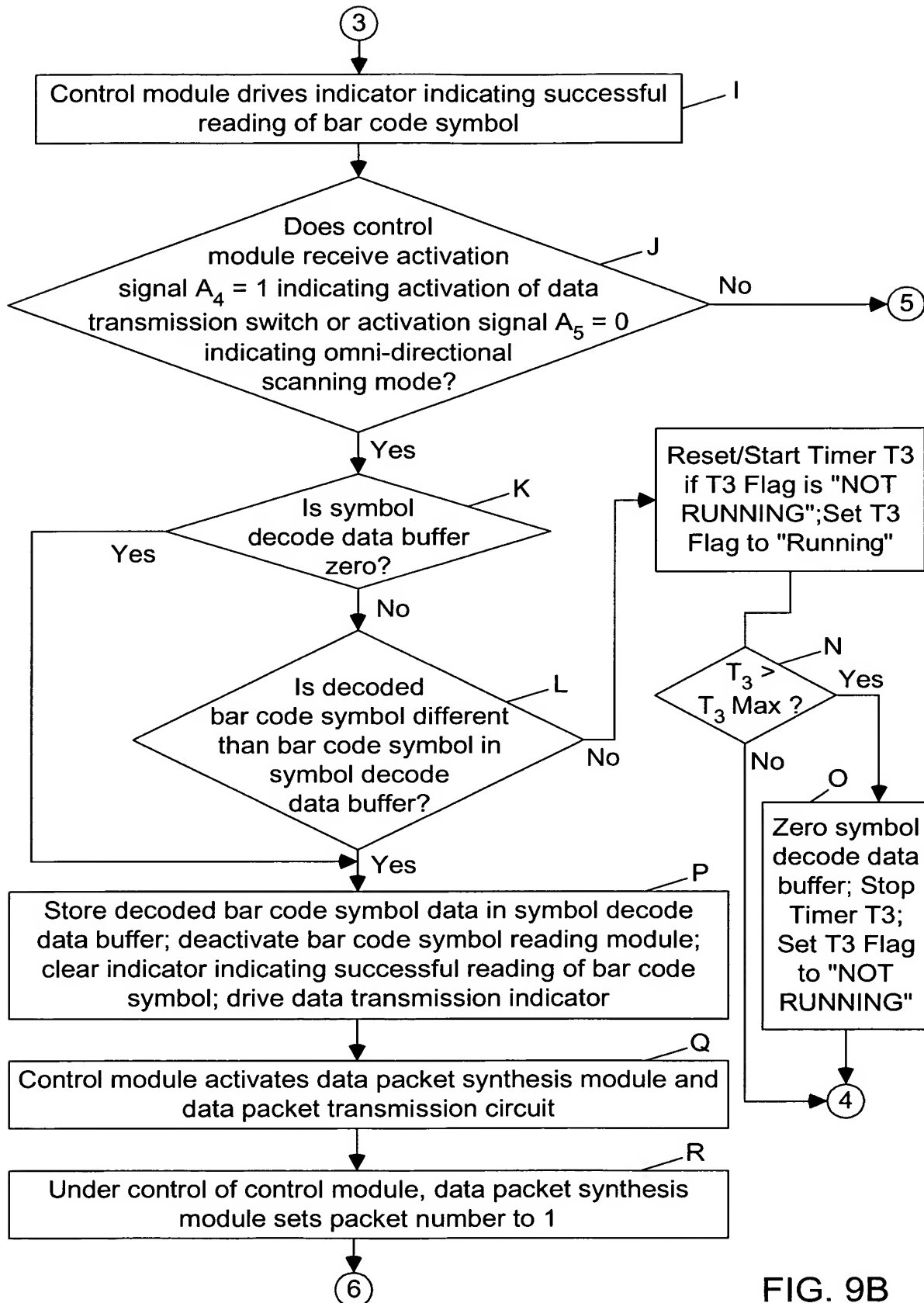


FIG. 9B

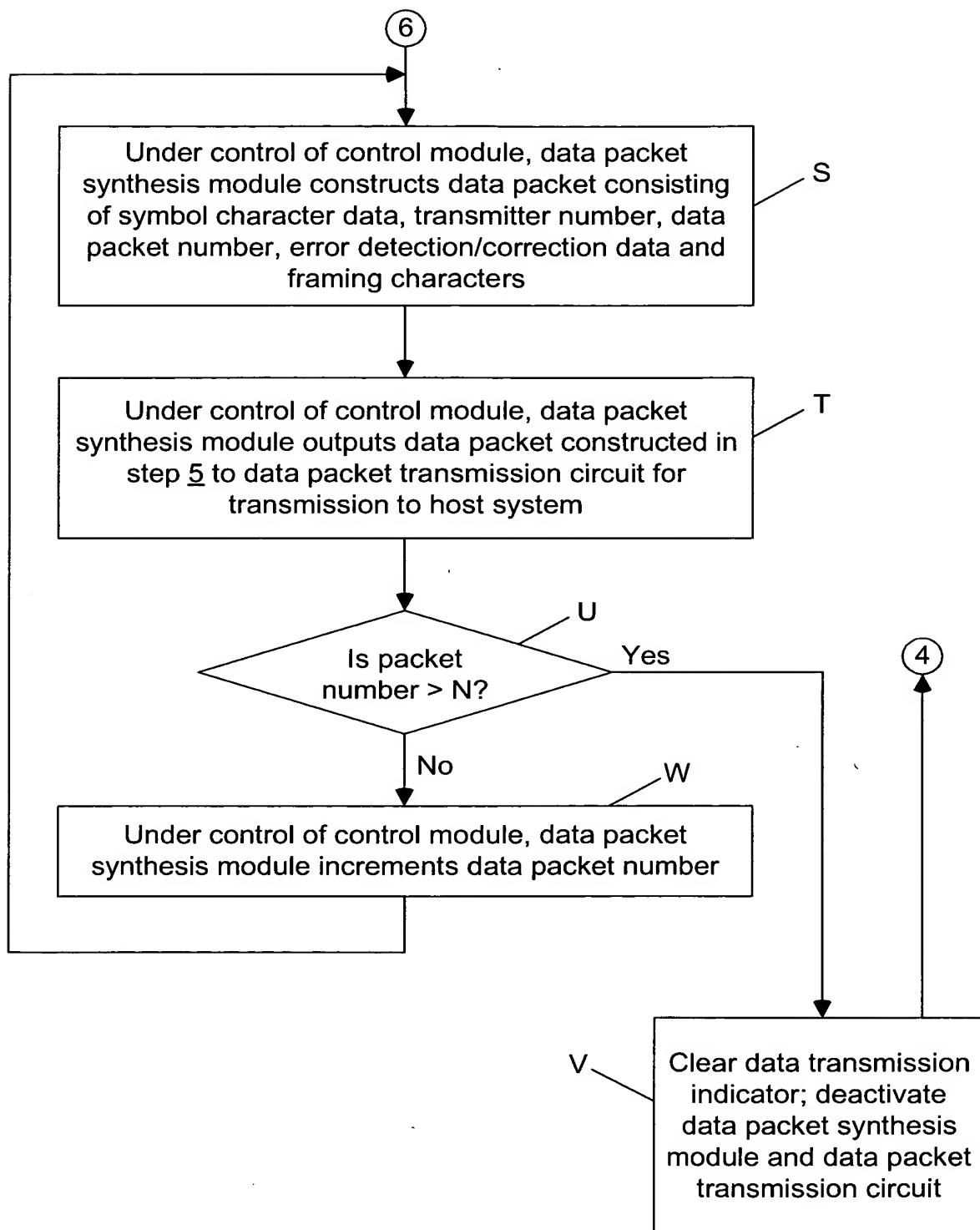


FIG. 9C

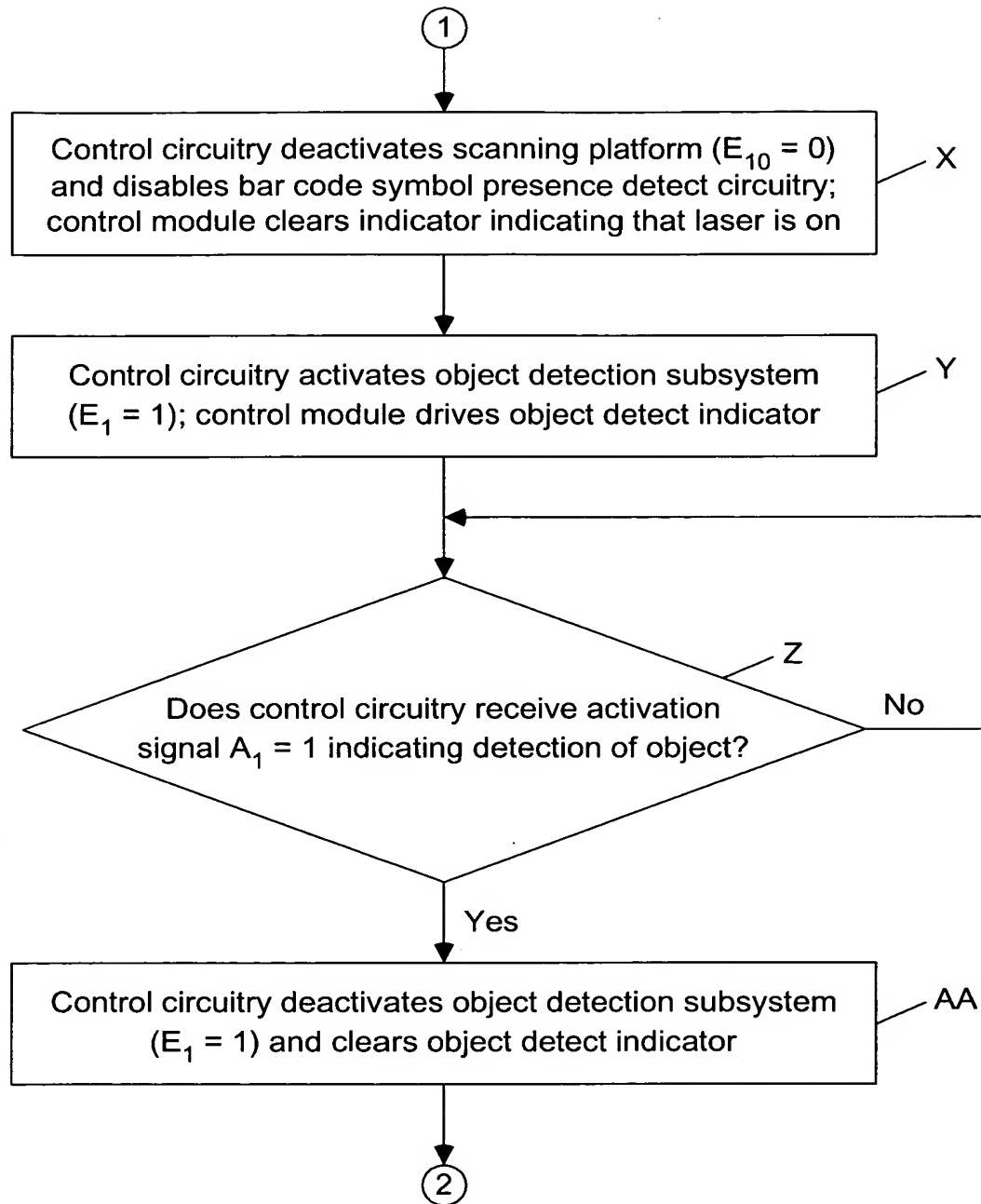


FIG. 9D

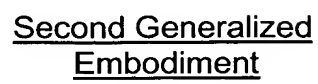


FIG. 10A

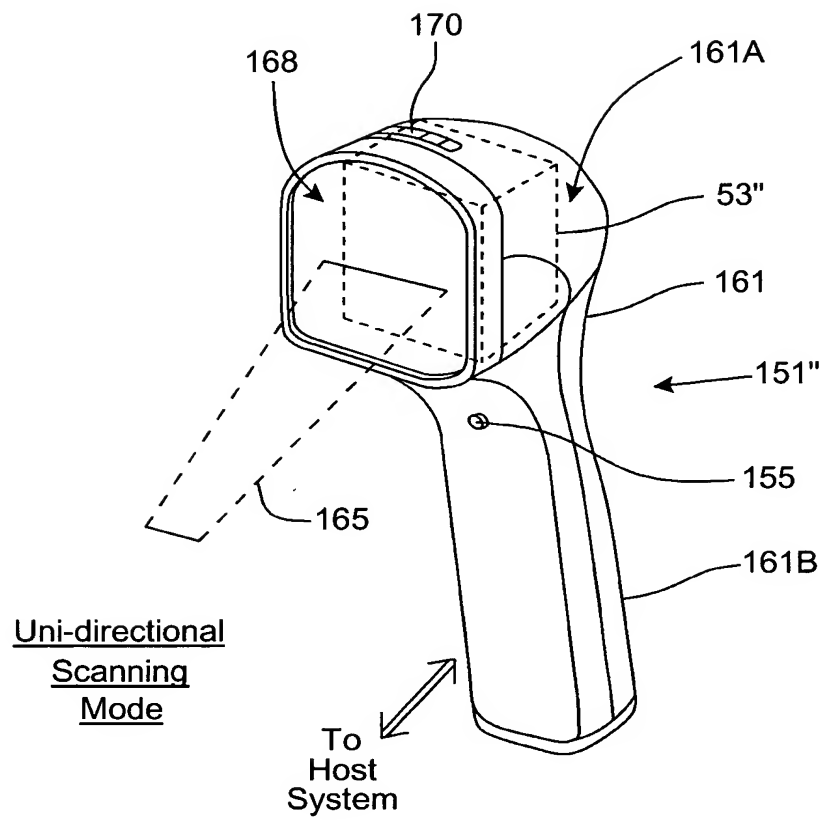


FIG. 10B

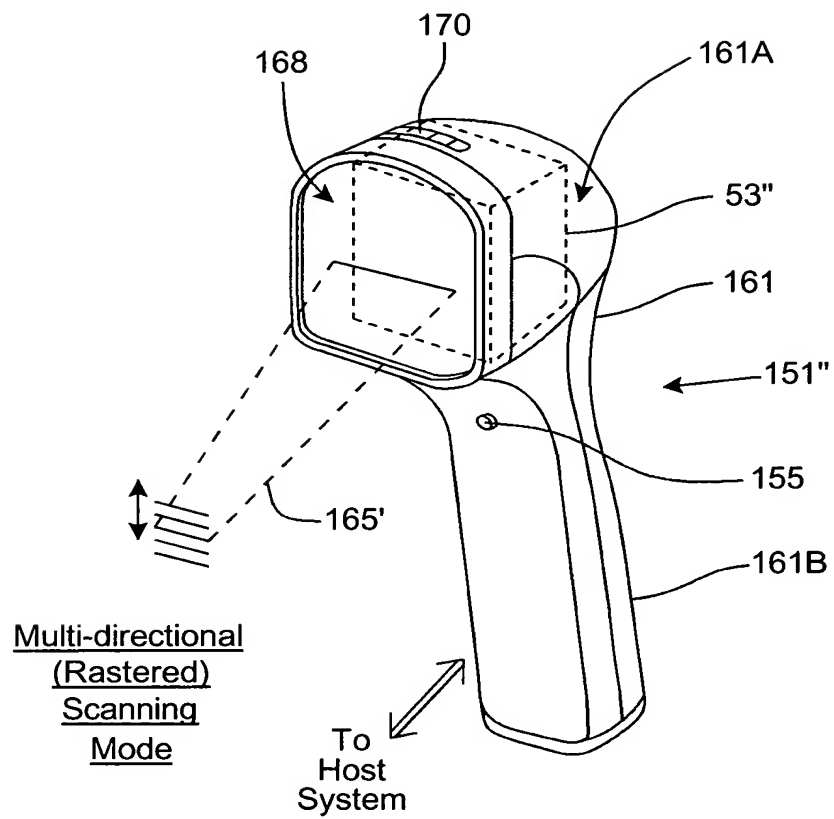


FIG. 10C

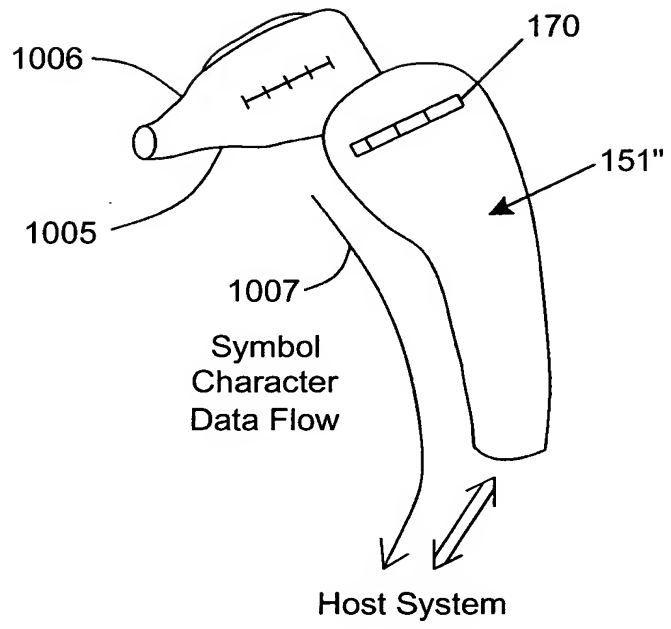


FIG. 11A

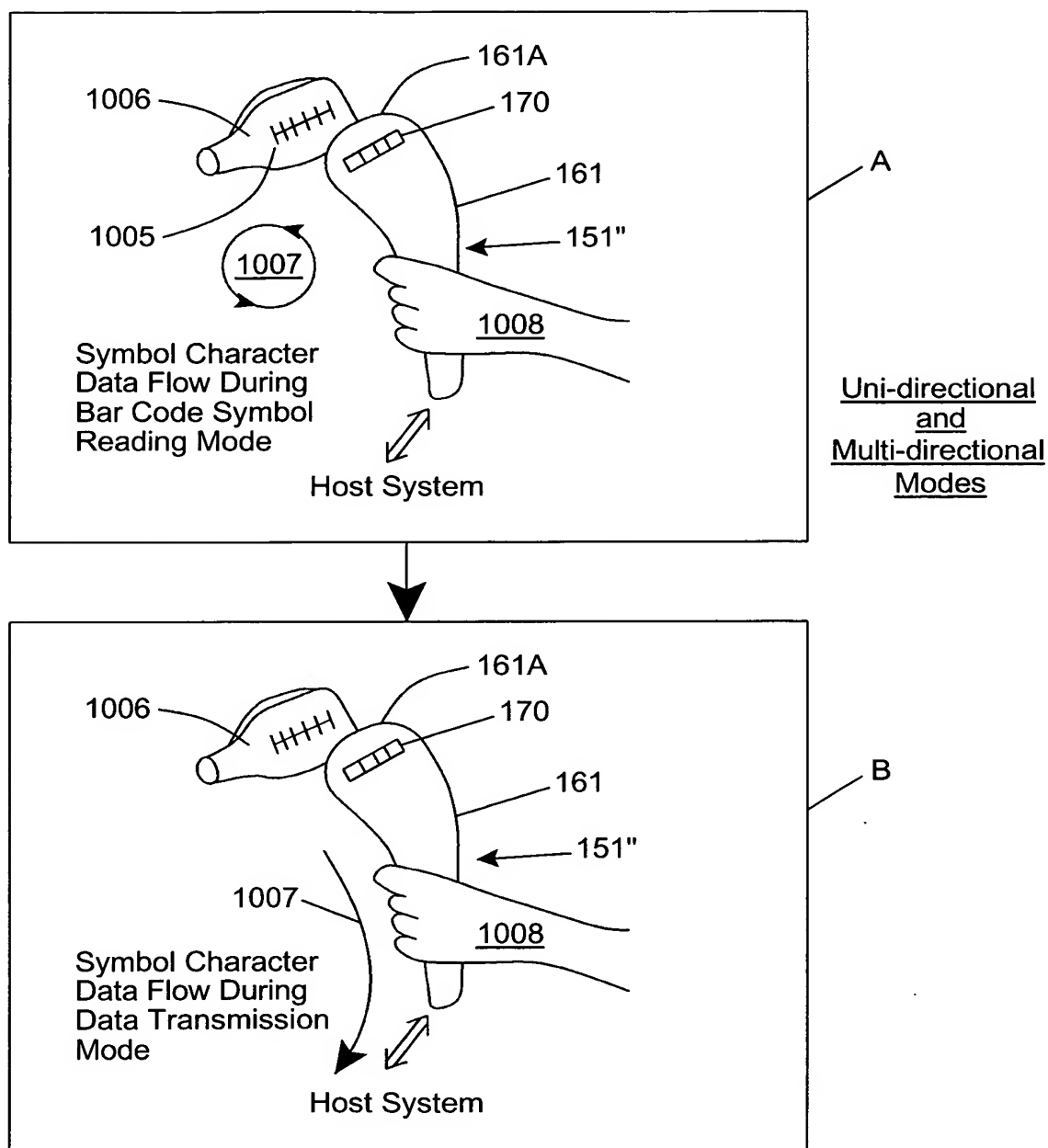


FIG. 11B

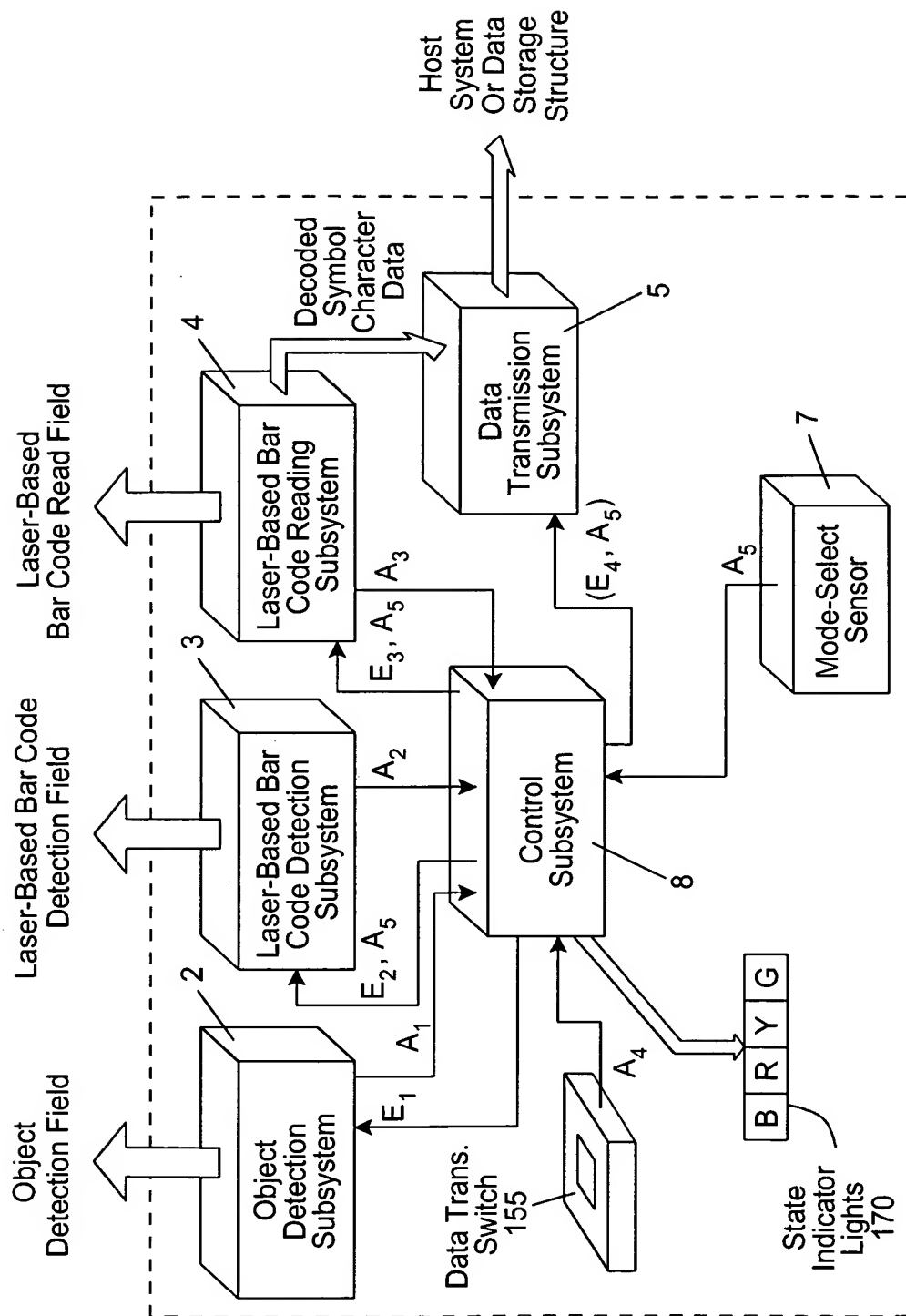


FIG. 12

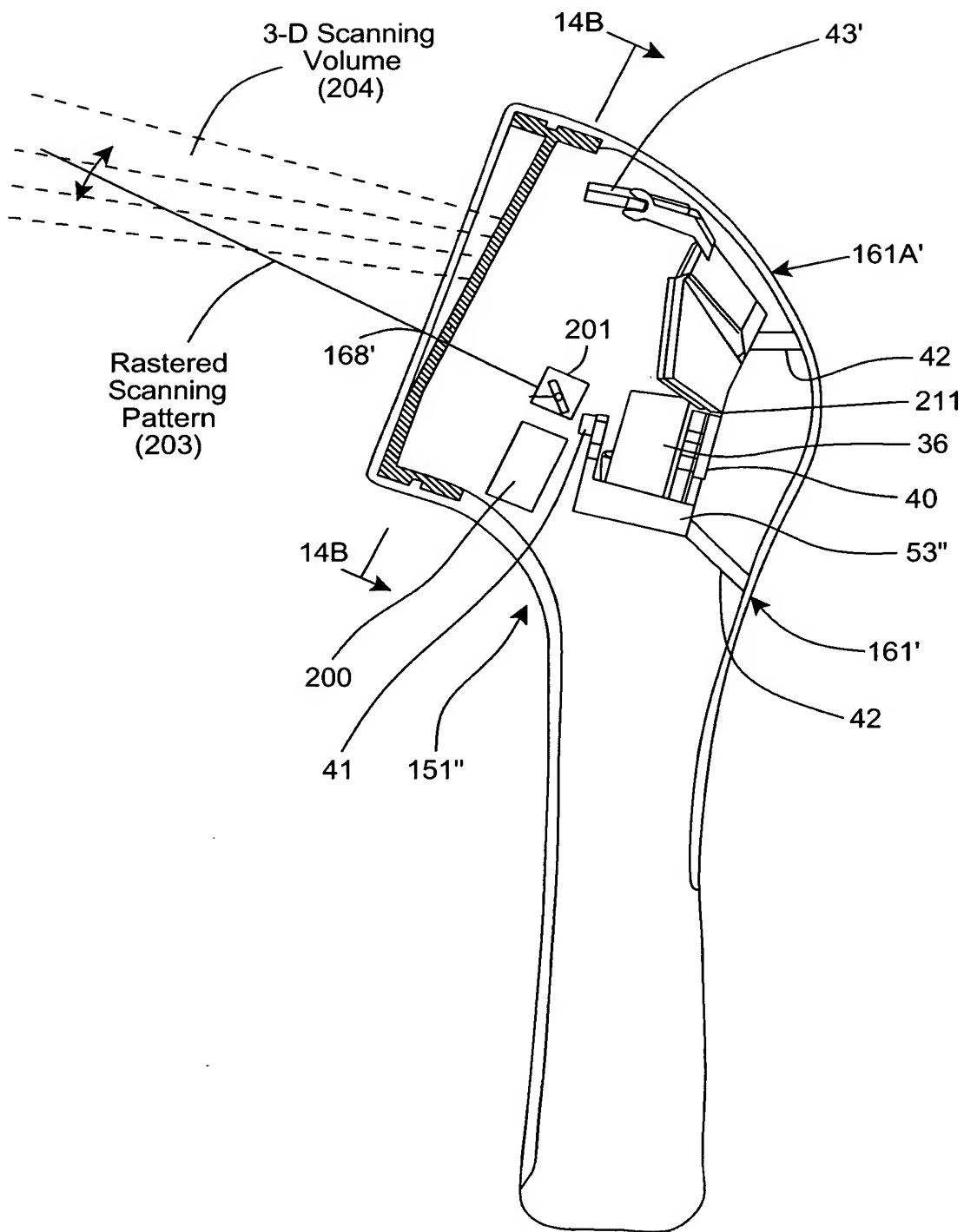


FIG. 13

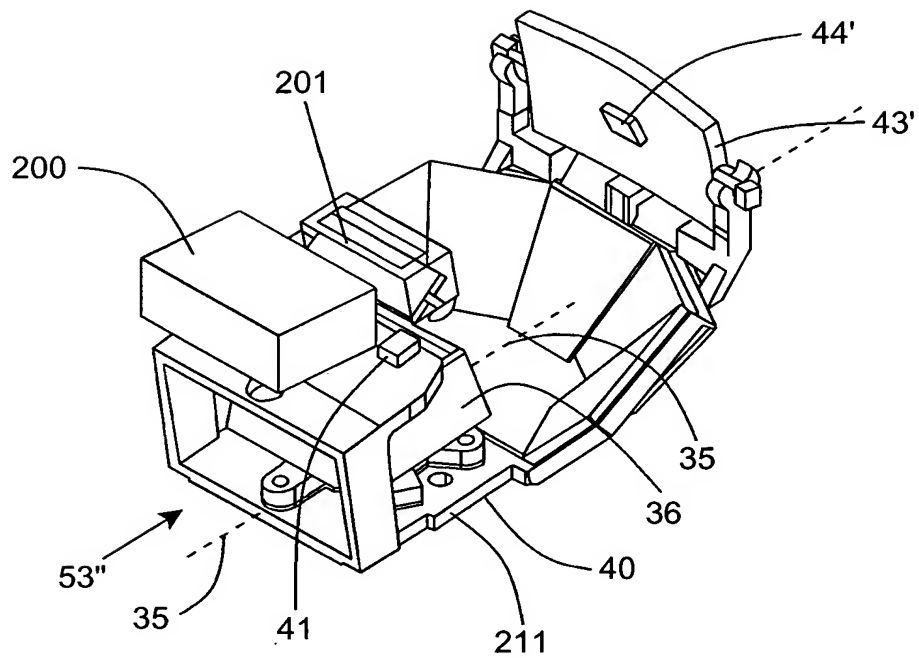


FIG. 14A

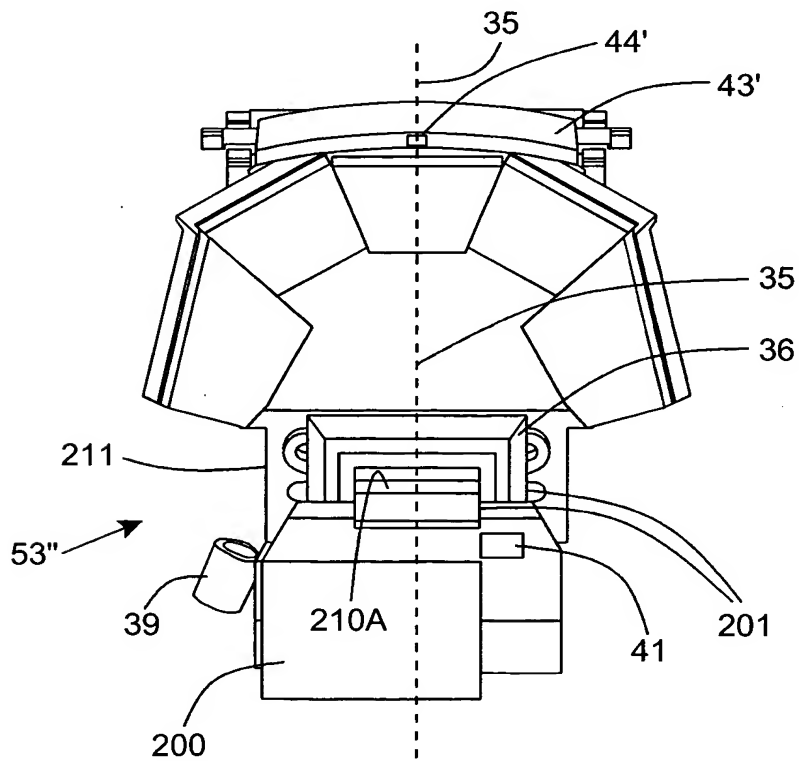


FIG. 14B

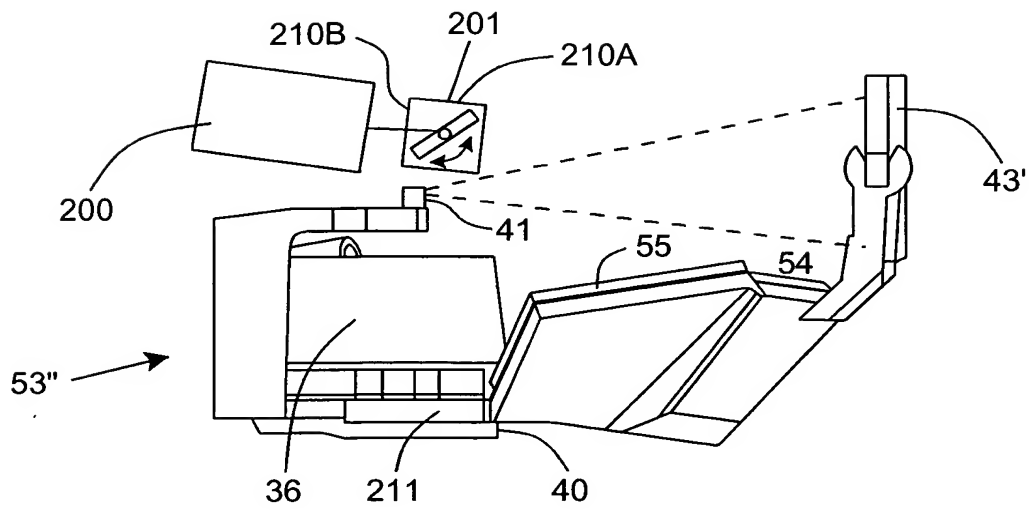


FIG. 14C

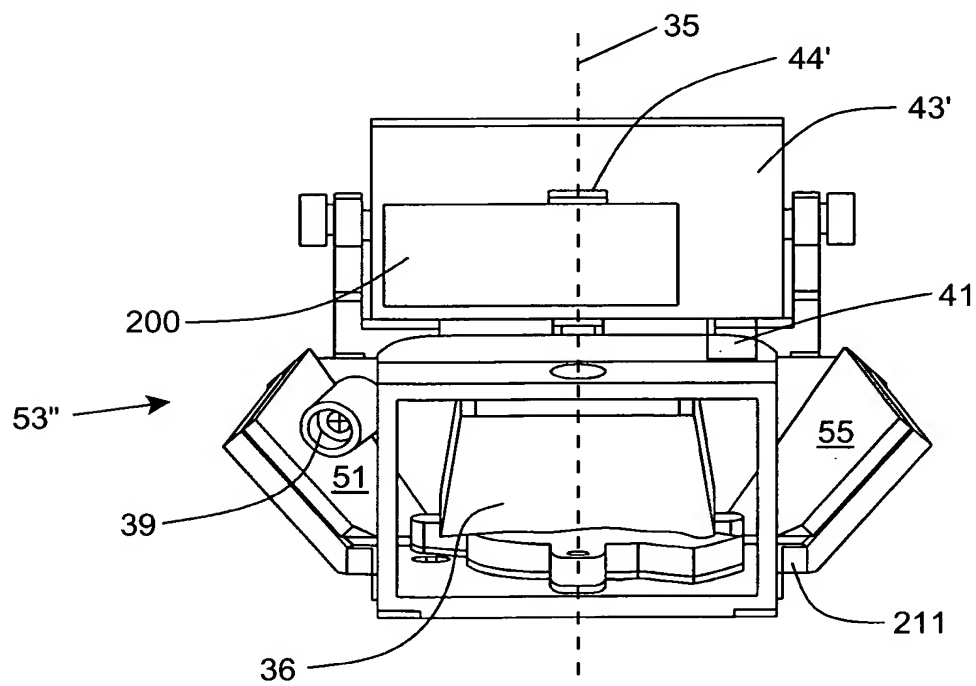


FIG. 14D

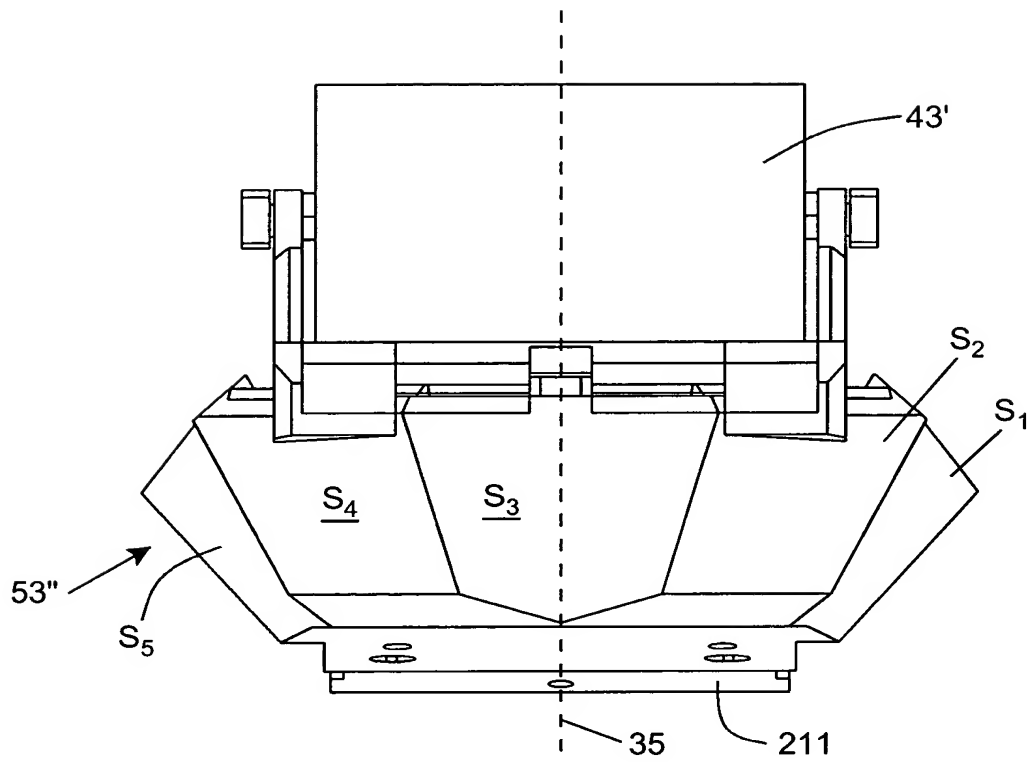


FIG. 14E

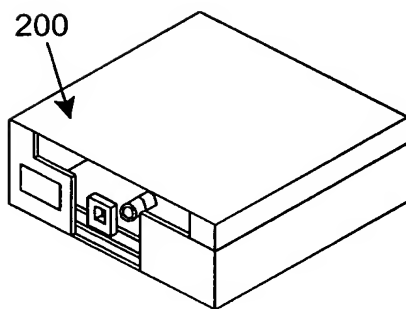


FIG. 14F

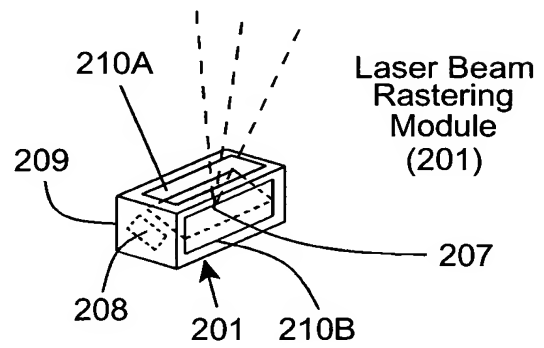


FIG. 14G

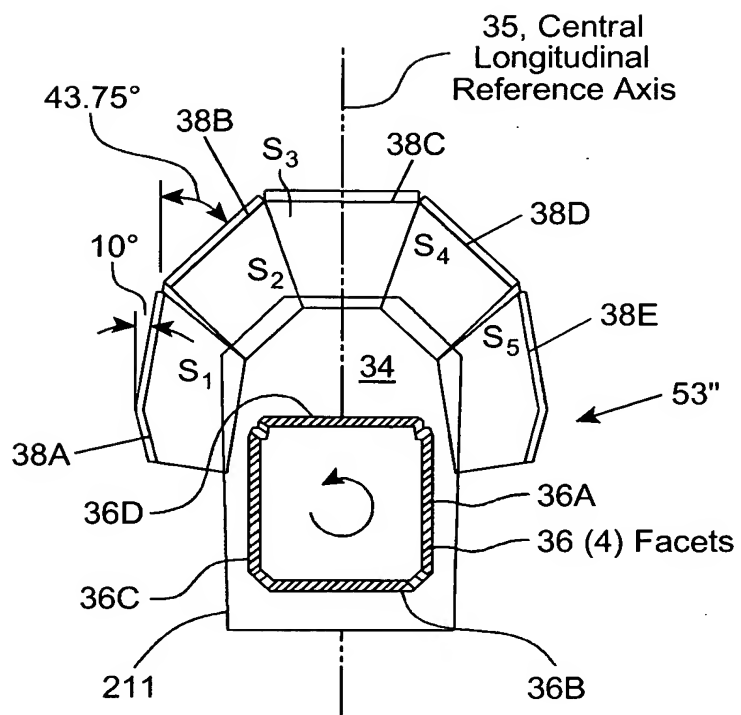


FIG. 15A

Optics Bench Array Mirror
Specifications

Mirror	Relief Angle	Twist Angle
	Degrees	
1	45.91	69.32
2	47.85	34.15
3	48.4	0
4	47.85	34.15
5	45.91	69.32

Mirror	Length	Width
	Millimeters	
1	19.872	17.303
2	16.341	13.746
3	16.67	15.788
4	16.341	13.746
5	19.872	17.303

FIG. 15B

Angles Specification:

Definitions:

Relief Angle- The angle between the plane including all the bottom front edges of the array mirrors and the front surface of the mirror being measured.

Twist Angle- The angle of rotation about the z-axis with 0 degrees twist being defined as perpendicular to the incident beam (field 3).

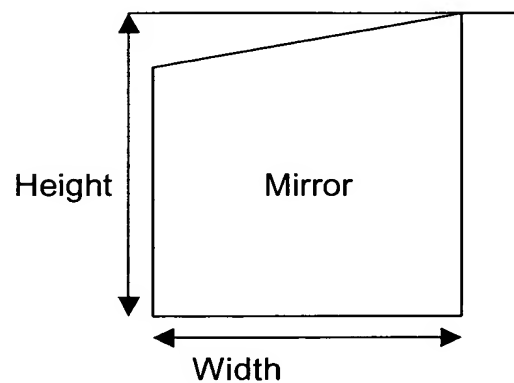


FIG. 15C

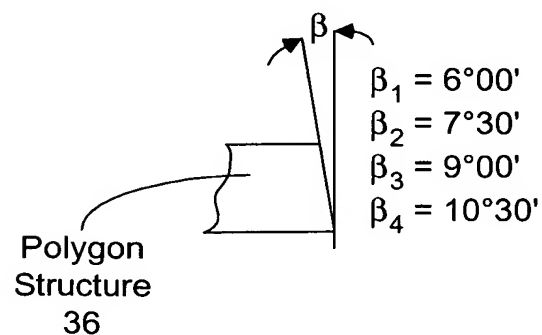


FIG. 15D

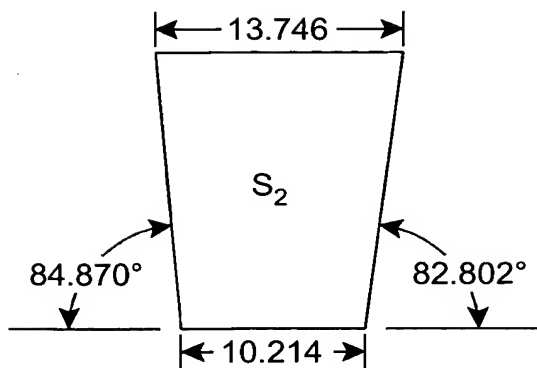


FIG. 15F

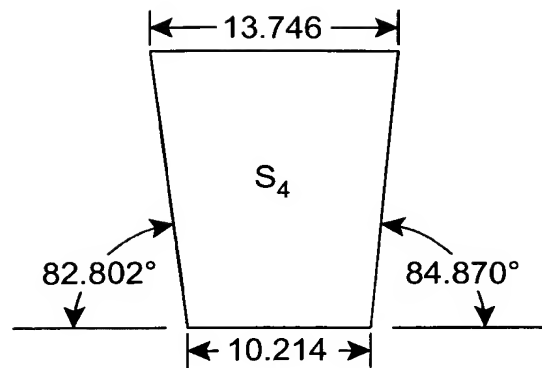


FIG. 15H

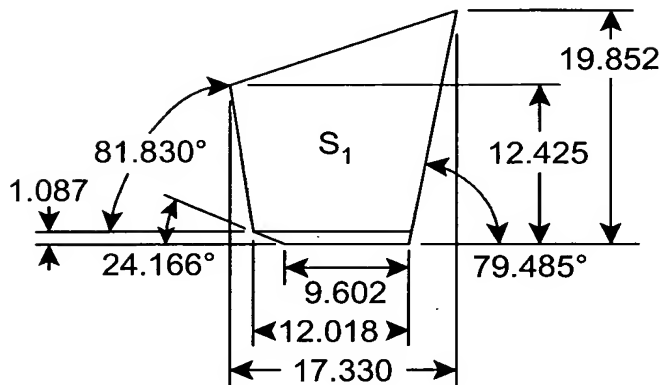


FIG. 15E

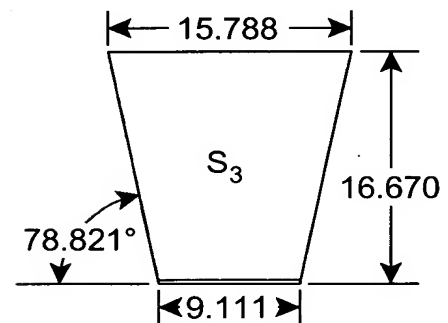


FIG. 15G

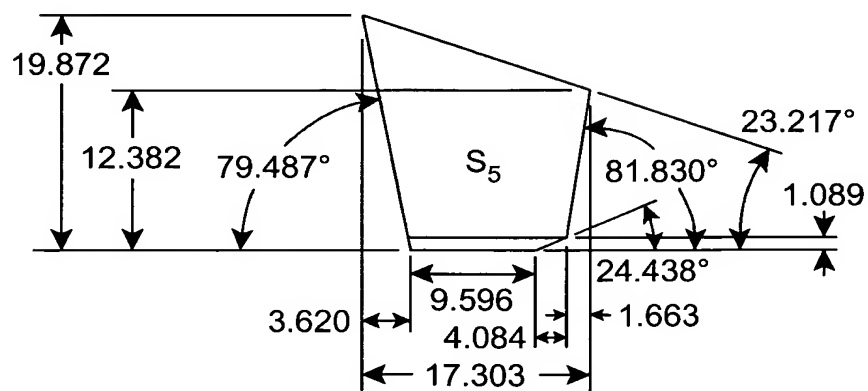


FIG. 15I

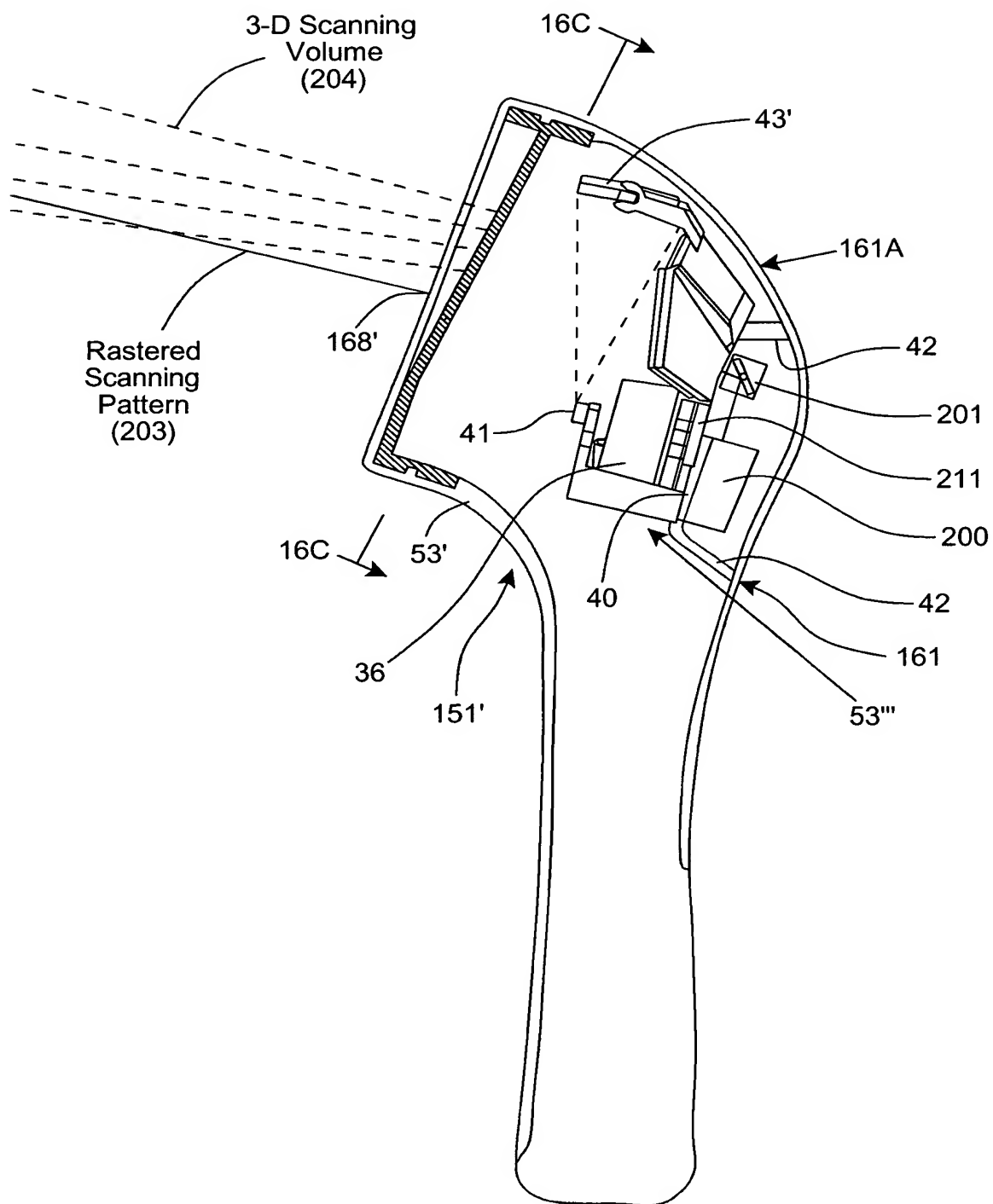


FIG. 16A

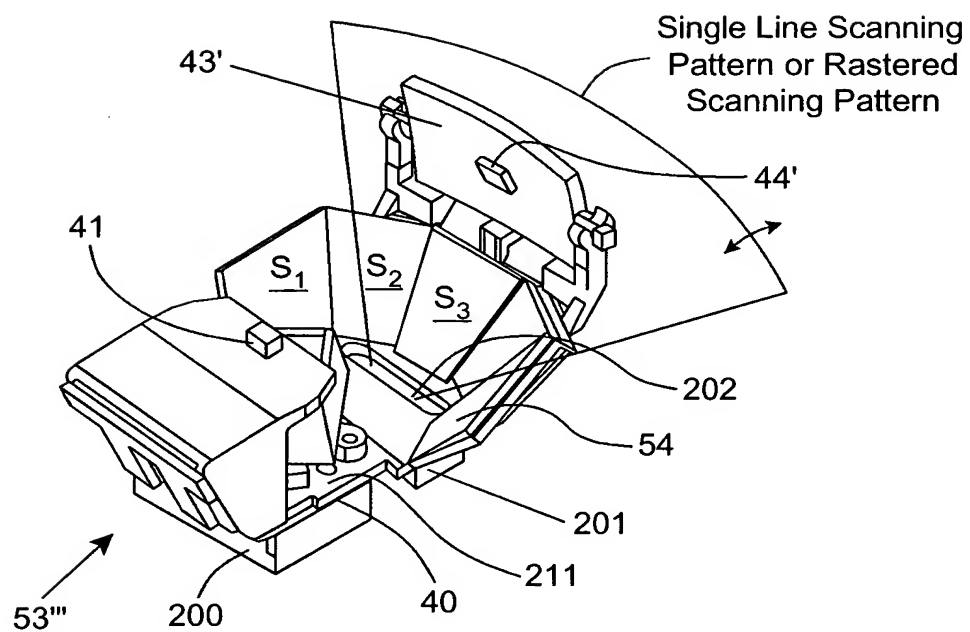


FIG. 16B

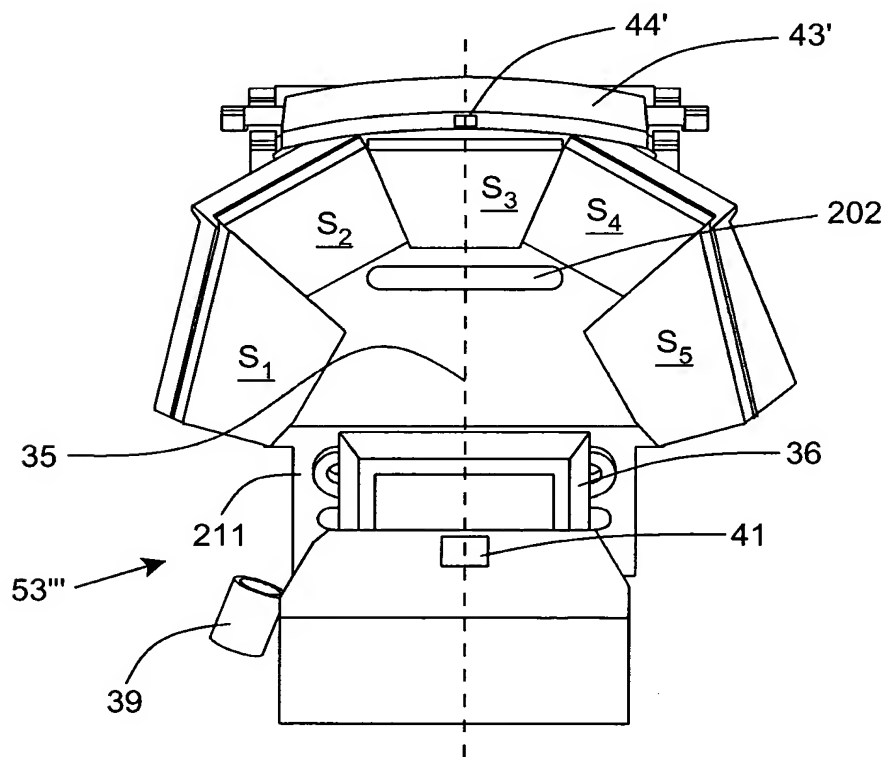


FIG. 16C

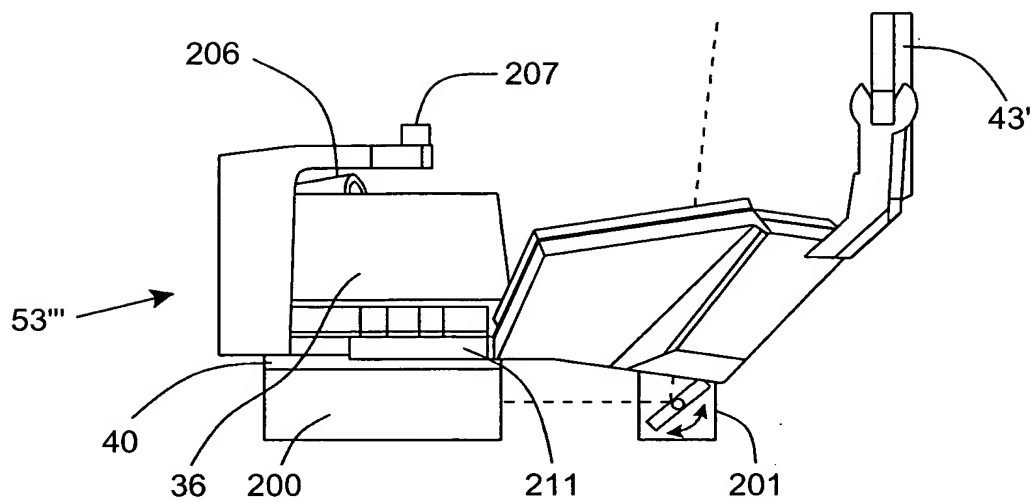


FIG. 16D

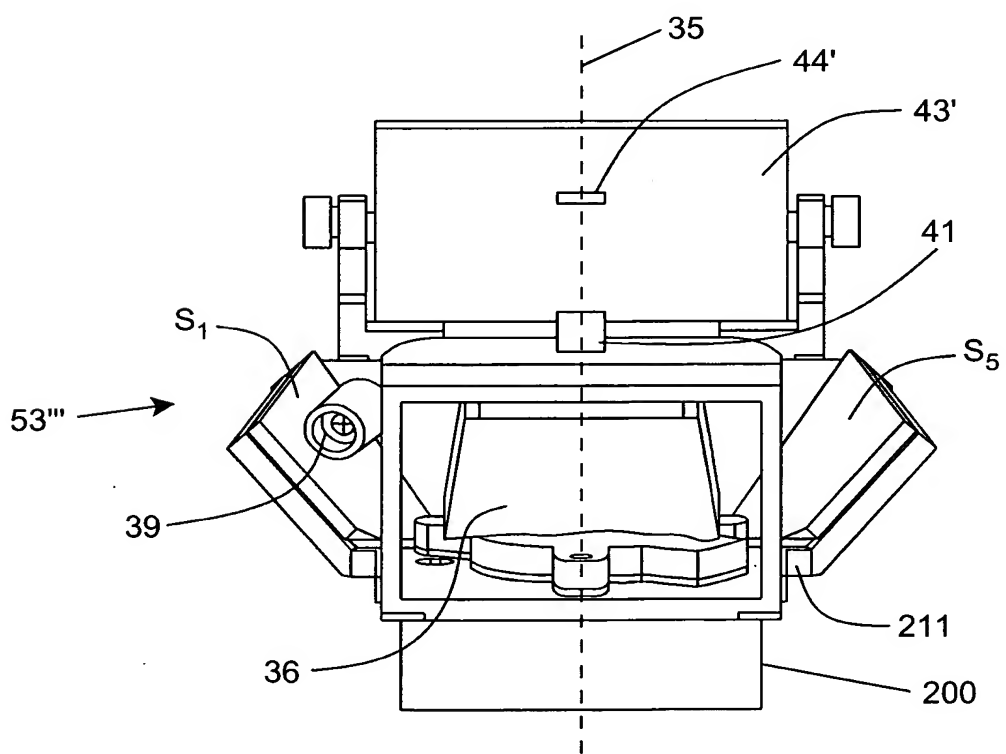


FIG. 16E

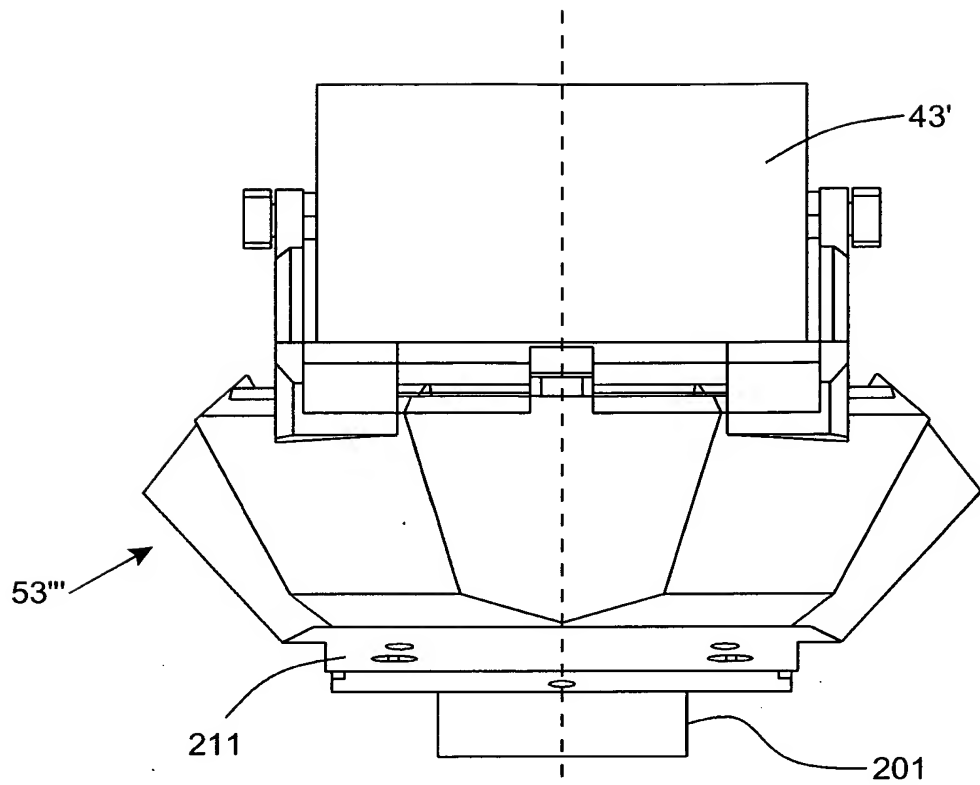


FIG. 16F

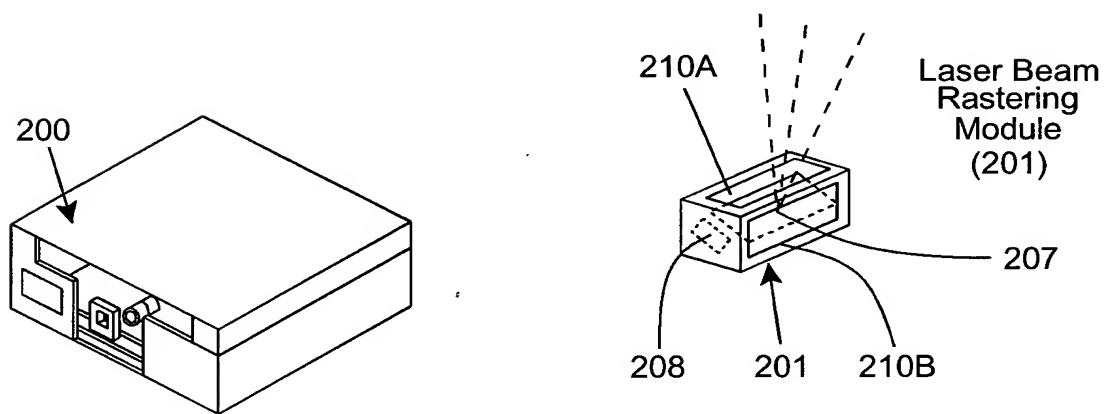


FIG. 16G

FIG. 16H

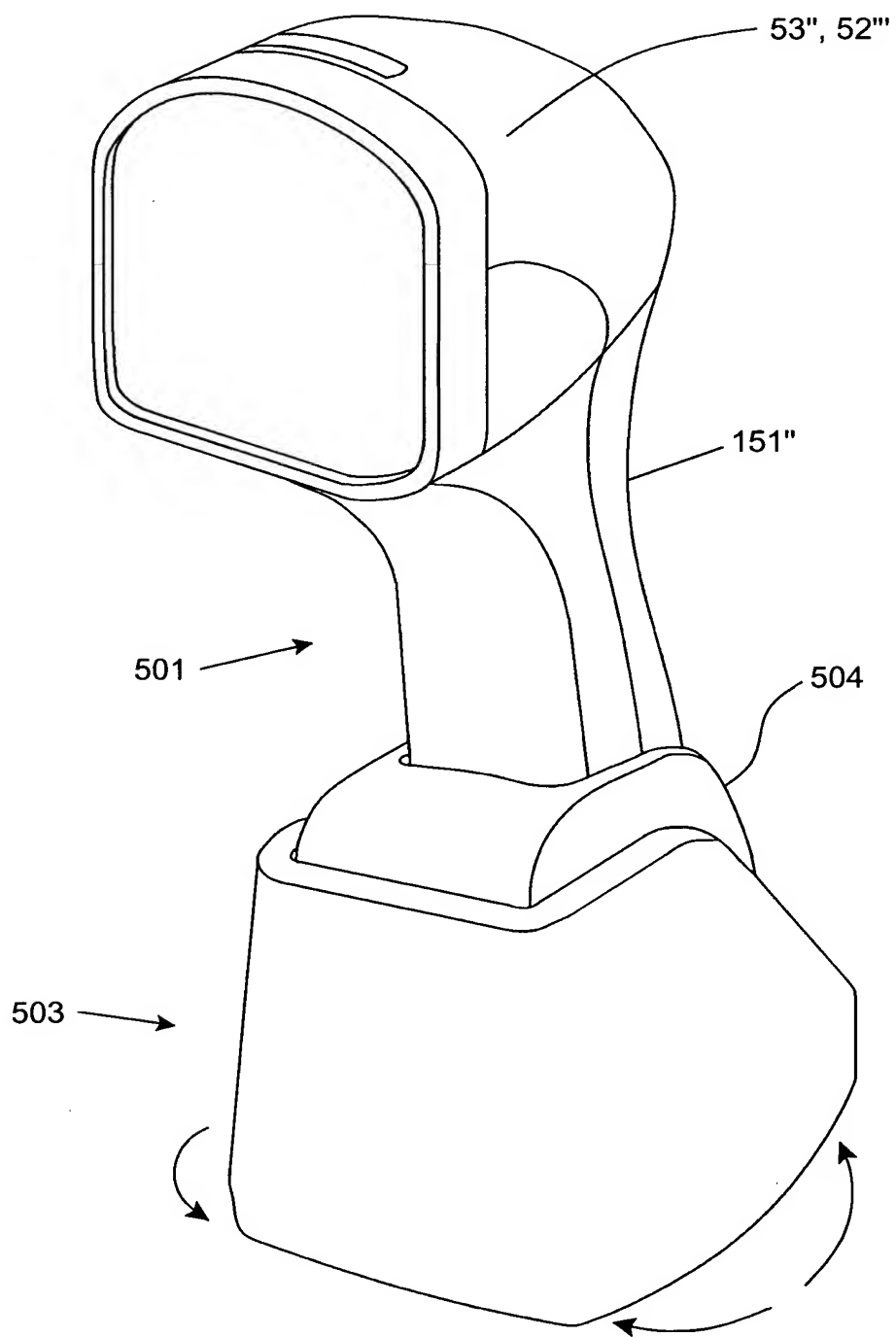
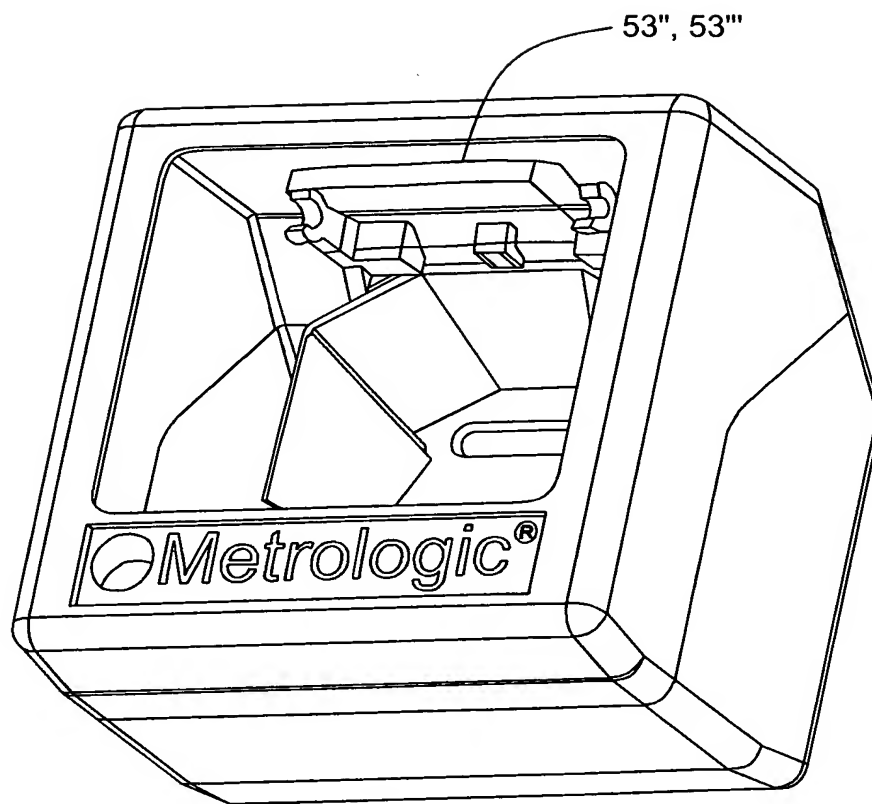


FIG. 17



Device Has Omni-directional,
Multi-directional, and Uni-directional
Scanning Modes of Operation

FIG. 18

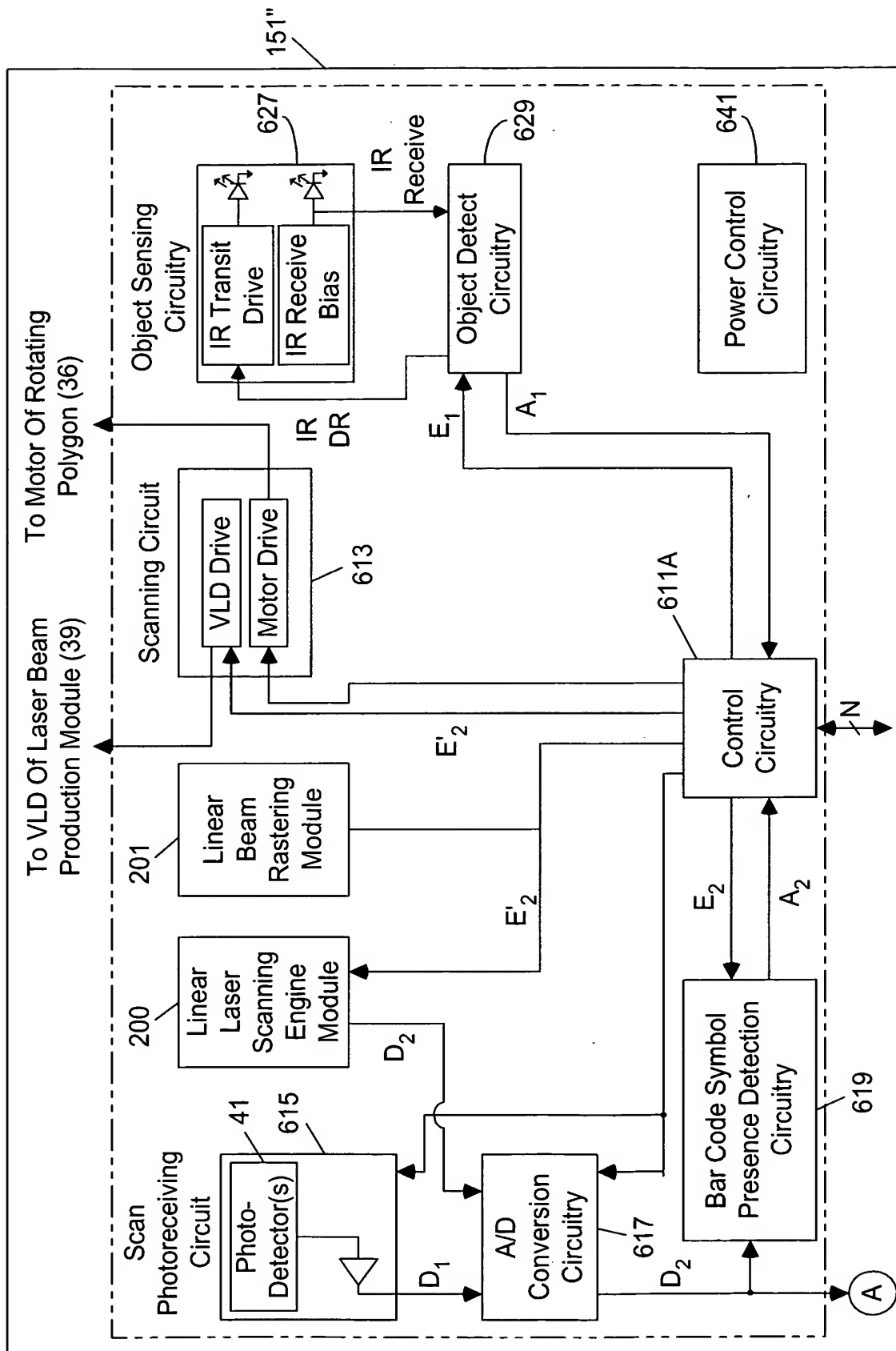


FIG. 19A

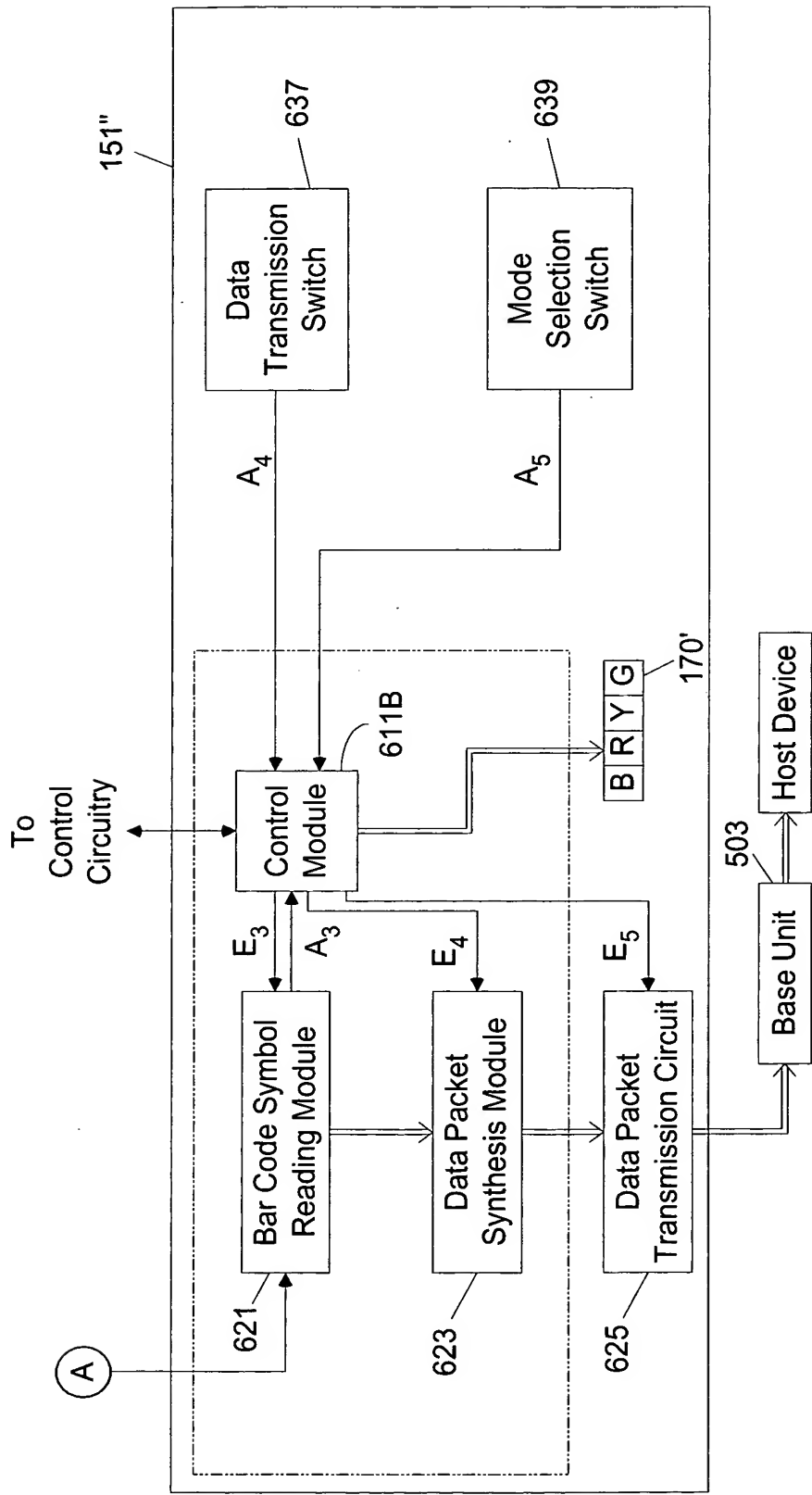


FIG. 19B

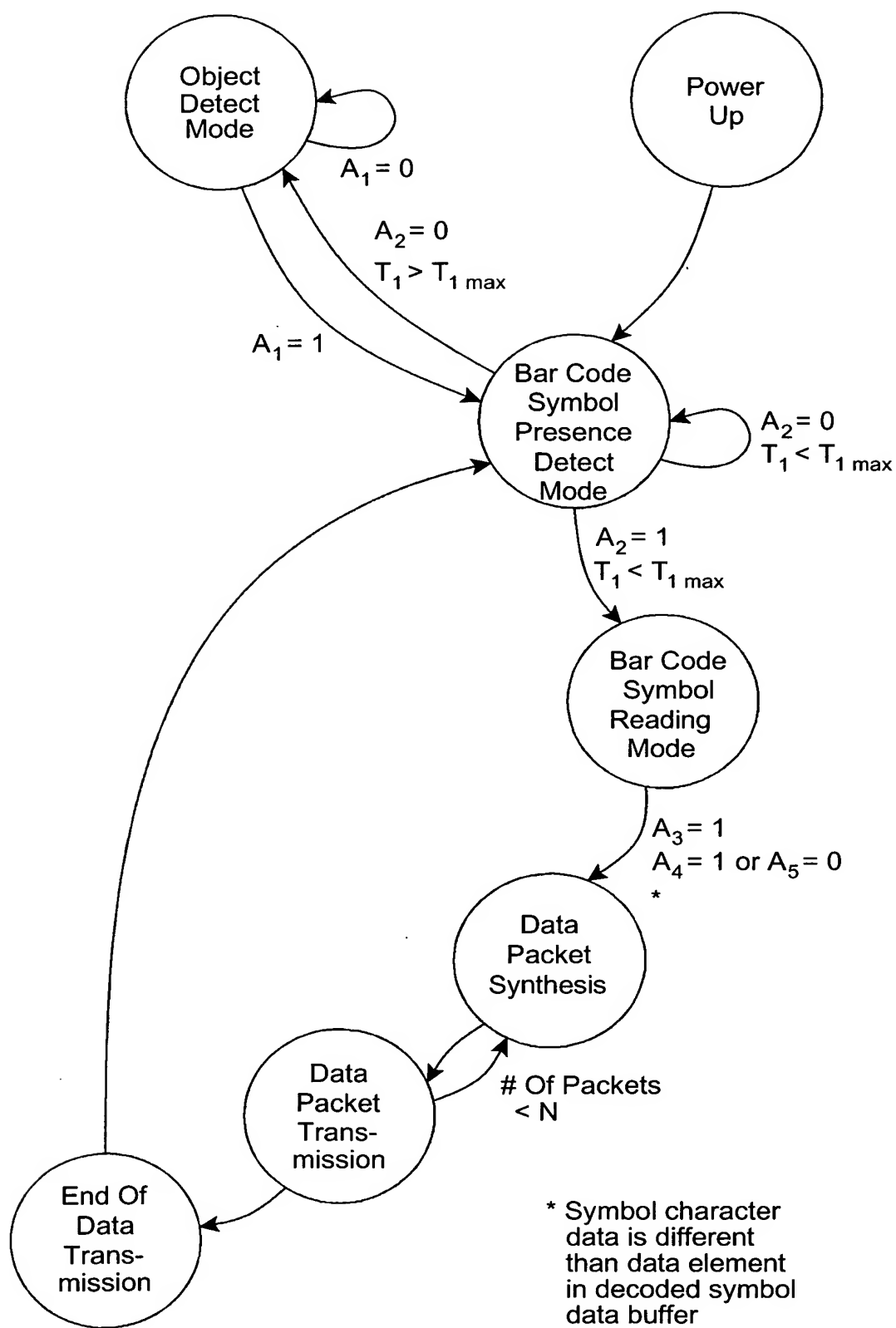
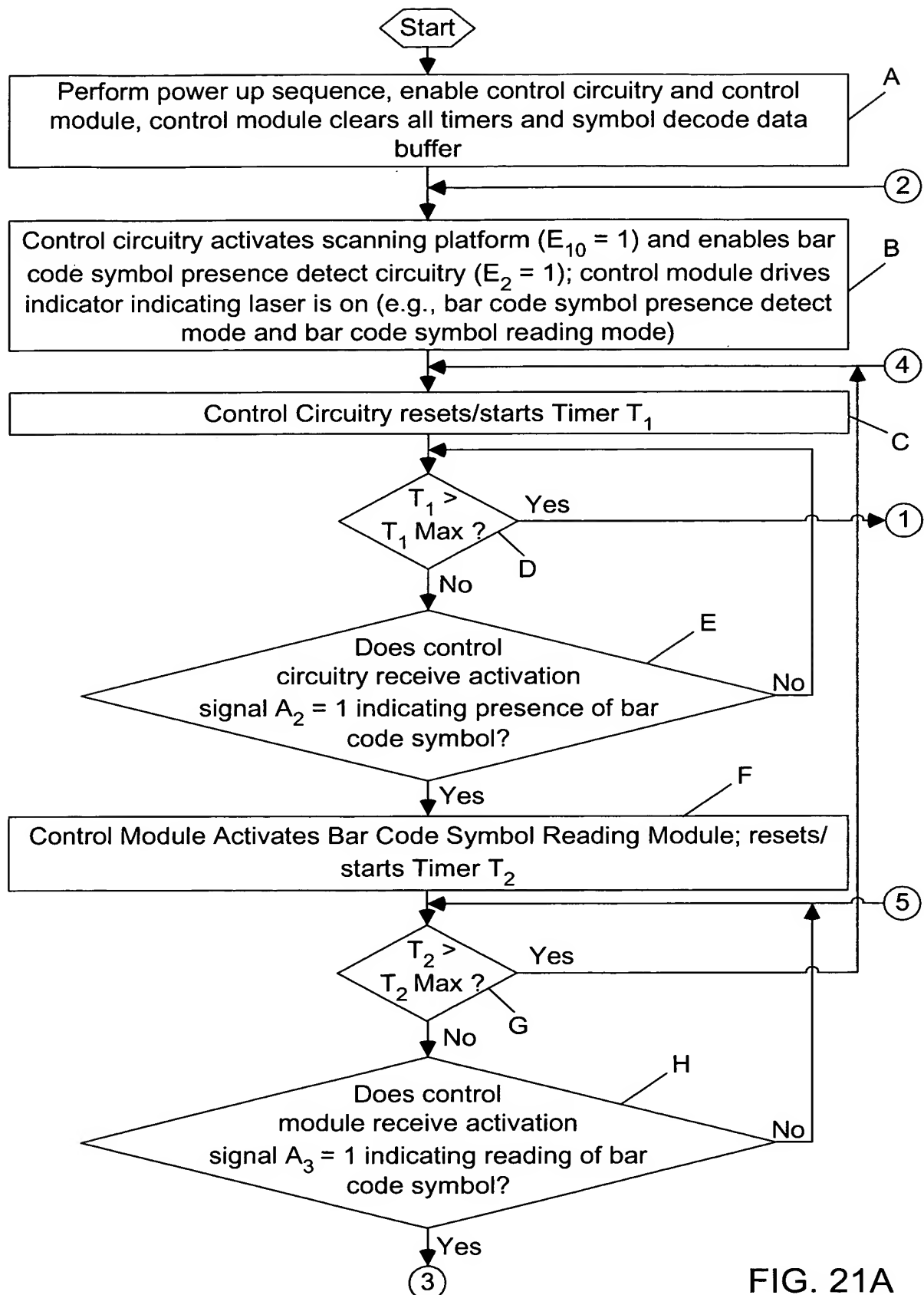


FIG. 20



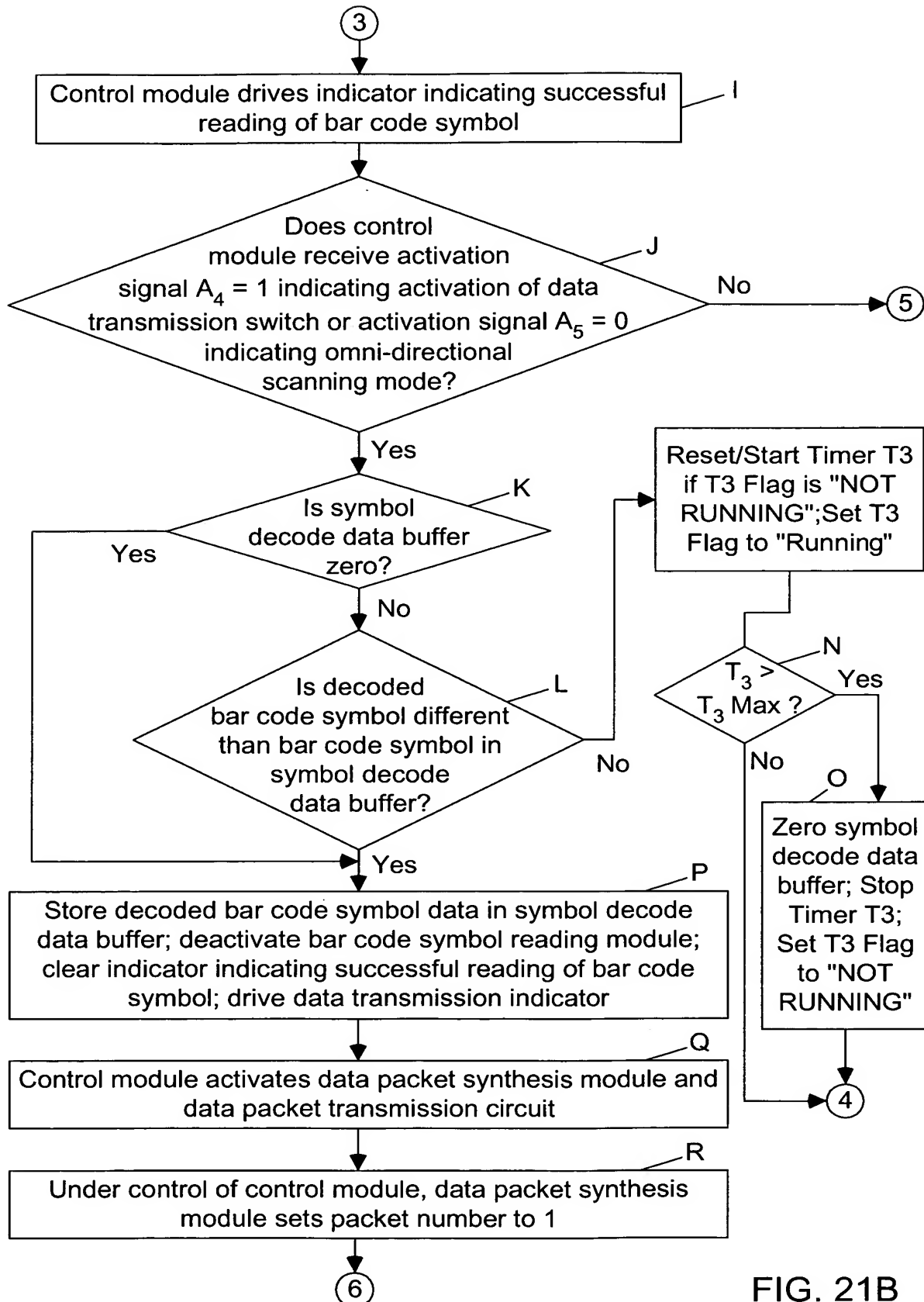


FIG. 21B

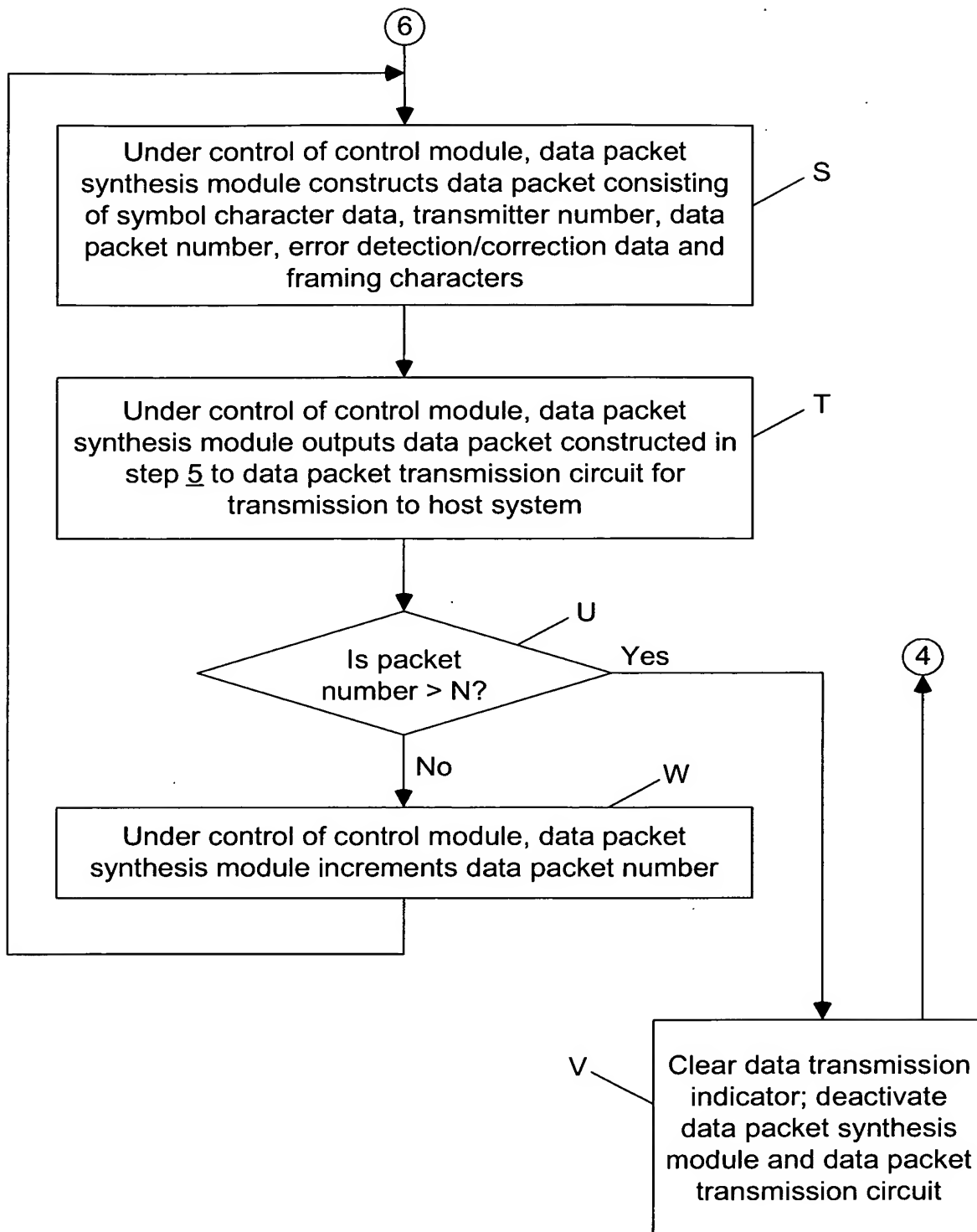


FIG. 21C

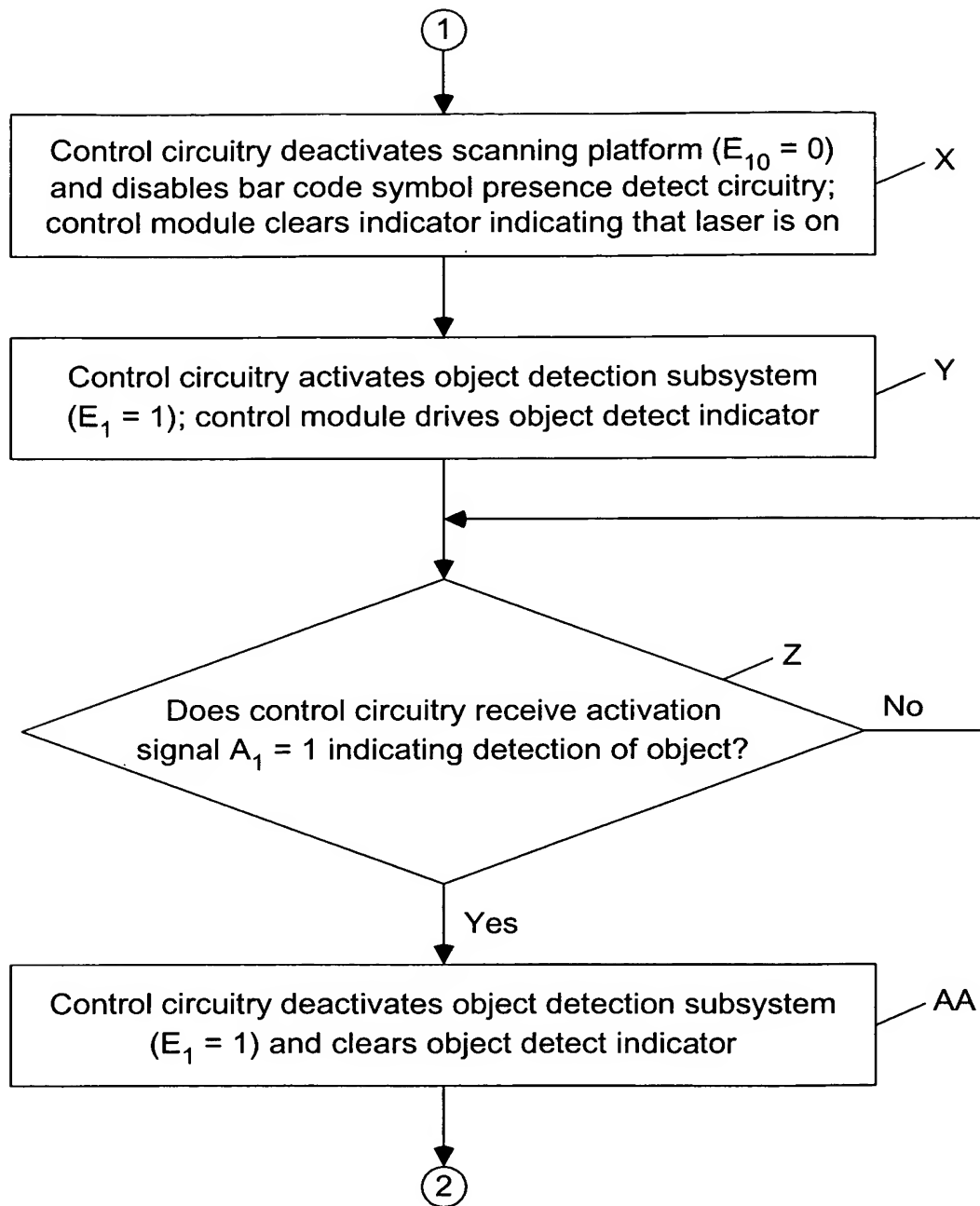


FIG. 21D